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Laser phase and frequency stabilization using an optical resonator

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#	Paper	IF	Citations
2307	Development of acetylene-stabilized diode laser frequency standards.		1
2306	Frequency modulation (FM) spectroscopy. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1983 , 32, 145-152		385
2305	Trapped ions, laser cooling, and better clocks. 1984 , 226, 395-400		63
2304	Some candidate atoms and ions for frequency standards research using laser radiative cooling techniques. 1984 , 8, 249-255		19
2303	A wideband frequency-offset-locked dye laser spectrometer using a schottky barrier mixer. 1984 , 48, 327-333		26
2302	Dye-laser frequency stabilization using optical resonators. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1984 , 33, 179-185		69
2301	Alignment of resonant optical cavities. 1984 , 23, 2944		121
2300	Spectral technique for measuring hyperfine structure of atoms. 1984 , 9, 276-8		2
2299	Injection locking of argon-ion lasers. 1984 , 9, 333-4		34
2298	Coupled resonators employing phase-conjugating and ordinary mirrors. 1984 , 9, 417-9		4
2297	Laser-frequency division and stabilization. 1984 , 30, 2827-2829		94
2296	The development of long baseline gravitational radiation detectors at Glasgow University. 1984 , 204-212		4
2295	The fast frequency stabilisation of an argon laser to an optical resonator using an extra-cavity electro-optic modulator. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1985 , 37, 11-16		26
2294	Laser Interferometric Sensing Techniques for Very Small Displacements-With Applications to Gravitational Radiation Detectors. 1985 , IM-34, 261-265		7
2293	High resolution laser spectroscopy of atomic systems. 1985 , 48, 531-578		25
2292	Laser frequency stabilization by a polarization-sensitive optical system using a reflecting reference cavity. 1985 , 46, 9-11		2
2291	Generation and detection of squeezed states of light by nondegenerate four-wave mixing in an optical fiber. 1985 , 32, 1550-1562		142

2290	Servo control of amplitude modulation in frequency-modulation spectroscopy: demonstration of shot-noise-limited detection. 1985 , 2, 1527	146
2289	Generation of squeezed states by parametric down conversion. 1986 , 57, 2520-2523	1197
2288	Frequency standards based on stored ions. 1986 , 74, 147-150	6
2287	Intensity stabilisation of an argon laser using an electro-optic modulator Performance and limitations. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1986 , 39, 149-153	19
2286	FM dye lasers. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1986 , 39, 171-178	24
2285	Cooled Atomic Beams for Frequency Standards. 1986 , 22, 195-200	11
2284	Atomic-beam measurement of parity nonconservation in cesium. 1986 , 34, 792-803	71
2283	Coherent Transient and Holeburning Spectroscopy of Rare Earth Ions in Solids. 1987 , 51-184	60
2282	Efficient electro-optic modulator for optical pumping of Na beams. 1987 , 58, 563-566	49
2281	Squeezed states of light from an optical parametric oscillator. 1987 , 4, 1465	232
2280	Principles of optical phase-locking: Application to internal mirror He-Ne lasers phase-locked via fast control of the discharge current. 1987 , 23, 427-437	37
2279	Frequency stabilization of semiconductor lasers for applications in coherent communication systems. 1987 , 5, 485-491	14
2278	Squeezed-light-enhanced polarization interferometer. 1987 , 59, 2153-2156	364
2277	Gravitational wave astronomy [Potential and possible realisation. 1987 , 30, 109-134	17
2276	New ultra-high resolution dye laser spectrometer utilizing a non-tunable reference resonator. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1987 , 43, 85-91	46
2275	Bistability and other effects in a nonlinear fiber-optic ring resonator. 1988 , 5, 347	21
2274	Laser stabilization at the millihertz level. 1988 , 5, 1576	175
2273	Doppler modulation and Zeeman modulation: laser frequency stabilization without direct frequency modulation. 1988 , 27, 2662-5	20

2272	Velocity Selecting Ramsey Fringe Spectroscopy of Calcium Intercombination Transition Utilizing Further Longitudinal Excitation. 1988 ,	
2271	. 1988 , 24, 913-919	179
2270	Precision optical-frequency-difference measurements. 1988 , 37, 1802-1805	48
2269	Modulatable narrow-linewidth semiconductor lasers. 1988 , 53, 944-946	42
2268	High-order cyclo-Raman scattering of a laser by a single electron. 1988 , 38, 3109-3112	1
2267	Optically detected multipulse nuclear-quadrupole-resonance studies of trivalent praseodymium in zero and weak static magnetic fields. 1989 , 39, 6342-6347	5
2266	An introduction to stabilized lasers. 1989 , 30, 21-33	29
2265	Interferometric detection of gravitational waves. 1989 , 182, 365-424	73
2264	Measurements of losses in high reflectance mirrors coated for $\lambda = 514.5$ nm. 1989 , 69, 345-348	7
2263	A blue dye laser with sub-kilohertz stability. 1989 , 70, 56-60	19
2262	A dye ring-laser spectrometer for precision spectroscopy. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1989 , 49, 251-256	12
2261	Coherent addition of laser oscillators for use in gravitational wave antennas. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1989 , 49, 491-495	15
2260	Use of single-mode optical fiber in the stabilization of laser frequency. 1989 , 28, 2017-21	26
2259	Frequency-stabilized laser-diode-pumped Nd:YAG laser. 1989 , 14, 609-11	53
2258	Injection locking of a 13-W cw Nd:YAG ring laser. 1989 , 14, 1189-91	58
2257	Precise laser frequency scanning using frequency-synthesized optical frequency sidebands: application to isotope shifts and hyperfine structure of mercury. 1989 , 6, 539	13
2256	External modulation technique for sensitive interferometric detection of displacements. 1990 , 148, 8-16	38
2255	High resolution Ba ⁺ monoion spectroscopy with frequency stabilized color-center laser. 1990 , 79, 176-180	34

2254	Frequency doubling of a single frequency Ti:Al ₂ O ₃ laser using an external enhancement cavity. 1990 , 79, 219-223	19
2253	A frequency-stabilized titanium sapphire laser for high-resolution spectroscopy. 1990 , 75, 435-440	32
2252	Efficient frequency doubling of a diode-laser-pumped mode-locked Nd:YAG laser using an external resonant cavity. 1990 , 76, 369-375	14
2251	A Dye Laser Spectrometer with an External Iodine Cell Designed for Optical Ramsey-Fringe Spectroscopy in a Ca Atomic Beam. 1990 , 29, L1727-L1730	14
2250	Comparison of the calculated transient responses of a Fabry-Pérot used in reflection and in transmission. 1990 , 61, 3348-3352	9
2249	Optical-pumping effects on Raman-heterodyne-detected multipulse rf nuclear-spin-echo decay. 1990 , 42, 3789-3797	14
2248	Generation of 41 mW of blue radiation by frequency doubling of a GaAlAs diode laser. 1990 , 56, 2291-2292	118
2247	CW DYE LASERS. 1990 , 185-238	8
2246	INTRODUCTION. 1990 , 1-15	1
2245	.	
2244	Laser Interferometer Gravitational-wave Observatories: An Overview. 1990 , 37, 1747-1759	6
2243	. 1990 , 2, 167-169	10
2242	Stabilization of laser beam alignment to an optical resonator by heterodyne detection of off-axis modes. 1990 , 29, 394-403	34
2241	Active frequency stabilization of a 1.062-microm, Nd:GGG, diode-laser-pumped nonplanar ring oscillator to less than 3 Hz of relative linewidth. 1990 , 15, 221-3	40
2240	. 1990 , 26, 231-241	48
2239	. 1990 , 26, 1253-1258	26
2238	Saturated spectroscopy and two-photon absorption spectroscopy in rubidium using an actively stabilised Ti:Al ₂ O ₃ ring laser. 1990 , 75, 419-424	18
2237	.	0

2236	Prototype Michelson interferometer with Fabry-Perot cavities. 1991 , 30, 3133-8	19
2235	Frequency stabilization of a diode-laser-pumped microchip Nd:YAG laser at 1.3 microm. 1991 , 16, 79-81	15
2234	Resonant frequency doubling of a self-starting, coupled-cavity, mode-locked Ti:A12O3 laser. 1991 , 16, 321-3	12
2233	Frequency stabilization of a continuous-wave Ti:sapphire laser. 1991 , 16, 808-10	12
2232	Efficient second-harmonic conversion of cw single-frequency Nd:YAG laser light by frequency locking to a monolithic ring frequency doubler. 1991 , 16, 992-4	41
2231	Frequency doubling with KNbO(3) in an external cavity. 1991 , 16, 1400-2	118
2230	6.5-W, 532-nm radiation by cw resonant external-cavity second-harmonic generation of an 18-W Nd:YAG laser in LiB(3)O(5). 1991 , 16, 1493-5	54
2229	Frequency locking a dye laser to the central optical Ramsey fringe in a Ca atomic beam and wavelength measurement. 1991 , 8, 1388	15
2228	Fabry-Perot resonators with oscillating mirrors. 1991 , 43, 6227-6240	21
2227	Rb saturation spectroscopy with an optically narrowed FM diode laser. 1991 , 80, 359-364	3
2226	Efficient frequency doubling of a self-starting additive-pulse mode-locked diode pumped Nd:YAG laser. 1991 , 82, 327-332	11
2225	Determination of phase fluctuations of a Highly-Stabilized laser by the analysis of photon echo decay functions. 1991 , 2, 301-310	
2224	Frequency response of a Fabry-Perot interferometer used as a frequency discriminator. 1991 , 40, 204-207	9
2223	A 12-GHz Standard Clock on Trapped Ytterbium Ions. 1991 , 503, 41-55	33
2222	Interferometric Gravitational Wave Detector Using the Transmission Light of the Fabry-Perot Cavity. 1991 , 30, L1833-L1835	
2221	Frequency Stabilization of a Dye Laser to a Reference Cavity with Sub-Hertz Relative Linewidth. 1991 , 30, L1811-L1814	6
2220	Nonstationary shot noise and its effect on the sensitivity of interferometers. 1991 , 43, 5022-5029	53
2219	Cryogenic monocrystalline silicon Fabry-Perot cavity for the stabilization of laser frequency. 1991 , 62, 2375-2378	21

2218	Experimental demonstration of dual recycling for interferometric gravitational-wave detectors. 1991 , 66, 1391-1394	78
2217	Second-Harmonic Generation Green Laser for Higher-Density Optical Disks. 1992 , 31, 513-518	11
2216	Manipulation of Atoms by Laser Light. 1992 , T40, 23-31	2
2215	.	2
2214	Two-photon absorption from the real Gaussian field. 1992 , 68, 3531-3534	32
2213	Electro-optic microwave measurements in the frequency domain. 1992 , 61, 2153-2155	5
2212	Precision measurement of the $2(3)S \rightarrow 3(3)P$ transition in 4He. 1992 , 45, R2667-R2670	9
2211	High Efficiency Frequency-doubling Of Diode-pumped Continuous-wave Nd:YAG Lasers.	
2210	LIGO: The Laser Interferometer Gravitational-Wave Observatory. 1992 , 256, 325-33	1583
2209	. 1992 , 28, 895-900	72
2208	. 1992 , 28, 1106-1117	123
2207	. 1992 , 28, 1172-1178	16
2206	Spectroscopy with squeezed light. 1992 , 68, 3020-3023	307
2205	High-resolution optical multiplex spectroscopy. 1992 , 9, 498	1
2204	Optical motion sensor for resonant-bar gravitational wave antennas. 1992 , 31, 1641-5	6
2203	Dye lasers: introduction by the feature editors. 1992 , 31, 6977-8	2
2202	Frequency noise reduction of a diode laser by using the FM sideband technique. 1992 , 17, 934-6	22
2201	Generation of pulsed squeezed light in a mode-locked optical parametric oscillator. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1992 , 55, 226-232	12

2200	Realization of the Einstein-Podolsky-Rosen paradox for continuous variables in nondegenerate parametric amplification. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1992 , 55, 265-278	130
2199	Atomic spectroscopy with squeezed light for sensitivity beyond the vacuum-state limit. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1992 , 55, 279-290	119
2198	Short- and long-term frequency stabilization of a He-Ne laser using a Fabry-Perot cavity locked to the lamb dip. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1992 , 54, 202-204	4
2197	A dye laser spectrometer for high resolution spectroscopy. 1992 , 91, 131-139	15
2196	Tunable narrow linewidth ultra-violet light generation by frequency doubling of a ring Ti:sapphire laser using lithium tri-borate in an external enhancement cavity. 1992 , 90, 89-94	35
2195	Apparent relaxation oscillations in the frequency noise of a diode-pumped miniature Nd:YAG ring laser. 1992 , 170, 363-369	7
2194	Observation of an effect due to non-stationary shot noise. 1992 , 164, 255-258	6
2193	Design and operation of an interferometer developed to test the suspensions of the Virgo gravitational wave antenna. 1993 , 173, 252-256	2
2192	A CO ₂ to visible optical frequency synthesis chain: accurate measurement of the 473 THz HeNe/I ₂ laser. 1993 , 97, 29-34	69
2191	Efficient frequency doubling of a continuous wave titanium: sapphire laser in an external enhancement cavity. 1993 , 99, 89-94	70
2190	15 W single-frequency operation of a cw, diode laser-pumped Nd: YAG ring laser. 1993 , 98, 86-90	30
2189	High-resolution isotope shift measurement of the MgI 1 S 0 - 3 P 1 intercombination transition. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1993 , 56, 62-64	12
2188	Phase-matched electrooptic modulator at 84 GHz for blue light: Theory, experimental test and applications. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1993 , 56, 65-70	8
2187	Spectroscopy of Te ₂ with modulation transfer: Reference lines for precision spectroscopy in Yb ⁺ at 467 nm. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1993 , 57, 159-162	8
2186	. 1993 , 9, 18-22	2
2185	Laser spectroscopy of hydrogen and antihydrogen. 1993 , 76, 47-57	43
2184	Stabilization of optical phase/frequency of a laser system: application to a commercial dye laser with an external stabilizer. 1993 , 10, 802	89
2183	Continuous-wave operation of a doubly resonant lithium niobate optical parametric oscillator system tunable from 966 to 1185 nm. 1993 , 10, 1681	21

2182	Quadruply resonant optical parametric oscillation in a monolithic total-internal-reflection resonator. 1993 , 10, 1696	75
2181	193-mHz beat linewidth of frequency-stabilized laser-diode-pumped Nd:YAG ring lasers. 1993 , 18, 505-7	27
2180	Frequency locking of an erbium-doped fiber ring laser to an external fiber Fabry - Perot resonator. 1993 , 18, 879	22
2179	Long-term stability of two diode-laser-pumped nonplanar ring lasers independently stabilized to two Fabry-Perot interferometers. 1993 , 18, 947-9	36
2178	Linewidth reduction and frequency stabilization of a semiconductor laser with a combination of FM sideband locking and optical feedback. 1993 , 18, 1071	12
2177	Kilohertz-resolution pump-probe spectroscopy in Pr(3+):YAlO(3). 1993 , 18, 1256-8	17
2176	Highly efficient frequency doubling with a doubly resonant monolithic total-internal-reflection ring resonator. 1993 , 18, 1786-8	42
2175	Frequency-difference stabilization of distributed-feedback laser diodes by use of an optical frequency translation circuit. 1993 , 18, 1819-21	3
2174	. 1993 , 29, 2489-2496	5
2173	Very High- Q Whispering-Gallery Mode Resonances Observed on Fused Silica Microspheres. 1993 , 23, 327-334	307
2172	. 1993 , 5, 472-474	13
2171	.	7
2170	Optical Recording at 2.4 Gbit/in ² Using a Frequency Doubled Diode Laser. 1993 , 32, 5301-5306	23
2169	A sensitive interferometric accelerometer. 1993 , 64, 2612-2614	16
2168	Measurement of the positronium 1 (3)S1-2 (3)S1 interval by continuous-wave two-photon excitation. 1993 , 48, 192-219	97
2167	Measurement of the positronium 1(3)S1-2(3)S1 interval by continuous-wave two-photon excitation. 1993 , 70, 1397-1400	99
2166	Frequency Doubling of Tunable Ti:sapphire Laser with KNbO ₃ in External Cavity. 1994 , 33, 6190-6194	7
2165	Frequency Stabilization of Two Diode-Pumped Nd:YAG Lasers Locked to Two Fabry-Perot Cavities. 1994 , 33, 1628-1633	11

2164	Magneto-optic trapping of radioactive ^{87}Rb . 1994 , 72, 3795-3798	48
2163	Strong atom-cavity coupling over large volumes and the observation of subnatural intracavity atomic linewidths. 1994 , 73, 1489-1492	31
2162	Microlaser: A laser with one atom in an optical resonator. 1994 , 73, 3375-3378	225
2161	The Oxford electron-beam ion trap: A device for spectroscopy of highly charged ions. 1994 , 65, 1072-1074	62
2160	Experimental demonstration of the use of a Fabry-Pérot cavity as a mirror of variable reflectivity. 1994 , 65, 799-802	7
2159	Narrow-line, low-amplitude noise semiconductor laser oscillator in the 780 nm range. 1994 , 65, 3628-3633	10
2158	High power single-frequency operation of continuous wave diode-pumped Nd:YAG ring lasers.	
2157	Field-correlation effects in two-photon absorption from randomly amplitude-modulated laser fields. 1994 , 49, 461-472	9
2156	Optical Ramsey spectroscopy on laser-trapped and thermal Mg atoms. 1994 , 59, 99-115	46
2155	Frequency measurement of $^{130}\text{Te}^2$ resonances near 467 nm. 1994 , 59, 187-193	10
2154	High-resolution diode-laser spectroscopy of calcium. 1994 , 59, 327-331	16
2153	Control of a 10 m delay-line laser interferometer using the pre-modulation method. 1994 , 187, 157-162	11
2152	Mode selection and frequency stabilization in lasers. 1994 , 18, 275-375	4
2151	Diode laser spectroscopy in a Ca atomic beam. 1994 , 107, 54-60	17
2150	Highly sensitive detection of molecular absorption using a high finesse optical cavity. 1994 , 107, 369-372	51
2149	Evaluation of the optical phase shift in a Ca Ramsey fringe stabilized optical frequency standard by means of laser-beam reversal. 1994 , 109, 414-421	4
2148	Fast frequency stabilization of a diode-laser-pumped monolithic Nd:YAG laser with an extra-cavity electro-optic modulator. 1994 , 109, 446-450	12
2147	. 1994 , 6, 499-501	8

2146	Design and characterization of a 5.5-W, cw, injection-locked fiber-coupled, laser-diode-pumped Nd:YAG miniature-slab laser. 1994 , 19, 114	30
2145	Fast amplitude modulation of the blue 429-nm output from a frequency-doubled GaAlAs diode laser. 1994 , 19, 195	8
2144	Ultrahigh-frequency stabilization of a diode-pumped Nd:YAG laser with a high-power-acceptance photodetector. 1994 , 19, 728-30	15
2143	Two-photon spectroscopy of the $6S(1/2) \rightarrow 6D(5/2)$ transition of trapped atomic cesium. 1994 , 19, 1474-6	43
2142	Type-II frequency doubling at $\lambda = 130 \mu\text{m}$ and $\lambda = 253 \mu\text{m}$ in flux-grown potassium titanyl phosphate. 1994 , 11, 2004	33
2141	Blue-light-induced infrared absorption in KNbO ₃ . 1994 , 11, 2023	58
2140	100-megabit-per-second resonant-cavity phase modulator for coherent optical communications. 1994 , 33, 3881-9	1
2139	Experimental demonstration of an automatic alignment system for optical interferometers. 1994 , 33, 5037-40	74
2138	Automatic alignment of optical interferometers. 1994 , 33, 5041-9	154
2137	Automatic alignment-control system for a suspended Fabry-Perot cavity. 1994 , 33, 5498-505	9
2136	Absolute frequency stability of a diode-laser-pumped Nd:YAG laser stabilized to a high-finesse optical cavity. 1994 , 33, 6383-6	15
2135	Measurement of laser quantum frequency fluctuations using a Pound-Drever stabilization system. 1994 , 30, 1498-1504	44
2134	POINTS: The precision optical INTerferometer in space. 1994 , 8, 69-99	
2133	Dye Lasers. 1995 , 167-218	15
2132	. 1995 , 44, 159-161	2
2131	LPTF frequency synthesis chain: results and improvement for the near future. 1995 , 44, 170-172	5
2130	Short-term frequency stabilization of diode-laser-pumped Nd:YAG lasers using double-pendulum suspended cavities. 1995 , 60, 489-494	8
2129	Accurate measurement of ultralow loss in a high-finesse Fabry-Perot interferometer using the frequency response functions. 1995 , 61, 9-15	32

2128	Lasers without photons or should it be lasers with too many photons?. 1995 , 60, 247-257	47
2127	Design of concentric ring bi-detectors to obtain directly the curve of frequency discrimination. 1995 , 27, 327-330	1
2126	Servo-loop based on heterodyne interferometry for injection locking of cw Nd: YAG lasers. 1995 , 115, 291-296	
2125	Pulse compression of the output from a diode pumped additive-pulse mode-locked Nd:YLF laser. 1995 , 115, 516-522	2
2124	A compact grating-stabilized diode laser system for atomic physics. 1995 , 117, 541-549	282
2123	Frequency locking of a Nd:YAG laser using the laser itself as the optical phase modulator. 1995 , 66, 2785-2787	33
2122	Frequency stabilization and control of a mode-locked dye laser. 1995 , 66, 4806-4812	5
2121	Precision measurement of the 1S ground-state Lamb shift in atomic hydrogen and deuterium by frequency comparison. 1995 , 52, 2664-2681	77
2120	The Glasgow 10 m prototype laser interferometric gravitational wave detector. 1995 , 66, 4447-4452	44
2119	A tunable, double-wavelength heterodyne detection interferometer with frequency-locked diode-pumped Nd:YAG sources for absolute measurements. 1995 , 66, 4073-4080	8
2118	Isotope-shift measurement of the $6\ (2)S_{1/2}-5\ (2)D_{5/2}$ transition in Ba+. 1995 , 51, 4483-4486	13
2117	Cascaded optical cavities with two-level atoms: Steady state. 1995 , 51, 4974-4981	9
2116	Temperature compensation for cryogenic cavity stabilized lasers. 1995 , 28, 1807-1810	12
2115	Amplitude and frequency stability of a diode-pumped Nd:YAG laser operating at a single-frequency continuous-wave output power of 20 W. 1995 , 20, 462-4	34
2114	Ultralow-loss mirror of the parts-in-10(6) level at 1064 nm. 1995 , 20, 530-2	31
2113	Supermirror phase anisotropy measurement. 1995 , 20, 671-3	30
2112	Generation of 90-mW continuous-wave tunable laser light at 280 nm by frequency doubling in a KDP crystal. 1995 , 20, 840-2	10
2111	Efficient optical frequency-comb generator. 1995 , 20, 1435-7	22

2110	Demonstration of a power-recycled Michelson interferometer with Fabry-Perot arms by frontal modulation. 1995 , 20, 1507-9	63
2109	Continuous-wave 355-nm laser source based on doubly resonant sum-frequency mixing in an external resonator. 1995 , 20, 2204	19
2108	Generation of amplitude-squeezed light at 431 nm from a singly resonant frequency doubler. 1995 , 20, 2240	31
2107	Frequency stabilization to a molecular line of a diode-pumped Er-Yb laser at 1533-nm wavelength. 1995 , 20, 2420	13
2106	Guided lock acquisition in a suspended Fabry-Perot cavity. 1995 , 20, 2463	22
2105	Optical header recognition by spectroholographic filtering. 1995 , 20, 2508	26
2104	Frequency and intensity noise in an injection-locked, solid-state laser. 1995 , 12, 328	55
2103	81% Conversion efficiency in frequency-stable continuous-wave parametric oscillation. 1995 , 12, 2095	32
2102	High-power, broadly tunable all-solid-state synchronously pumped lithium triborate optical parametric oscillator. 1995 , 12, 2158	18
2101	Squeezed vacuum from a monolithic optical parametric oscillator. 1995 , 12, 2304	101
2100	Measured limits to contamination of optical surfaces by elastomers in vacuum. 1995 , 34, 183-5	4
2099	Vibration transducer using an ultrashort Fabry-Perot cavity. 1995 , 34, 186-9	15
2098	Room-temperature tests of an optical transducer for resonant gravitational wave detectors. 1995 , 34, 4982-8	11
2097	Accurate measurement of the radius of curvature of a concave mirror and the power dependence in a high-finesse Fabry-Perot interferometer. 1995 , 34, 5611-9	12
2096	. 1995 , 7, 989-991	4
2095	Transient internal dynamics of a multilevel ion. 1995 , 52, 2994-3006	38
2094	Cryogenic, all-sapphire, Fabry-Perot optical frequency reference. 1995 , 66, 955-960	15
2093	. 1995 , 1, 859-866	35

2092	. 1995 , 31, 1038-1046	10
2091	Near shot-noise-level relative frequency stabilization of a laser-diode-pumped Nd:YVO(4) microchip laser. 1996 , 35, 4749-53	5
2090	Optical comb generator as an efficient short-pulse source. 1996 , 21, 534-6	29
2089	Ultrahigh-spectral-purity laser for the VIRGO experiment. 1996 , 21, 582-4	55
2088	Bright squeezed-light generation by a continuous-wave semimonolithic parametric amplifier. 1996 , 21, 1396-8	58
2087	Frequency-stabilized, 10-W continuous-wave, laser-diode end-pumped, injection-locked Nd:YAG laser. 1996 , 21, 1676-8	31
2086	1.1-W single-frequency 532-nm radiation by second-harmonic generation of a miniature Nd:YAG ring laser. 1996 , 21, 1999-2001	42
2085	Experimental demonstration of impulse-equivalent time-domain optical memory. 1996 , 21, 2020-2	2
2084	Frequency stabilization of Nd:YAG lasers to ^{133}Cs sub-Doppler lines near 1064 nm. 1996 , 13, 1598	6
2083	Accurate optical frequency atlas of the 15- μm bands of acetylene. 1996 , 13, 2708	182
2082	Diode laser spectrometer for high-resolution spectroscopy in the visible range. 1996 , 63, 265-275	9
2081	Test of an 18-m-long suspended modecleaner cavity. 1996 , 67, 2443-2448	19
2080	Intensity-noise properties of injection-locked lasers. 1996 , 54, 4370-4382	48
2079	The Laser Interferometer Gravitational-Wave Observatory (LIGO) project.	2
2078	Amplitude noise and linewidth reduction of an Ar/sup +/ laser.	
2077	Laser spectroscopy using the Oxford electron beam ion trap. 1996 , 99, 169-174	5
2076	High Sensitive Detection of Trace Gases Using Optical Heterodyne Method with a High Finesse Intra-Cavity Resonator. 1996 , 3, 243-250	7
2075	Generation of Tunable Amplitude-Squeezed Lights. 1996 , 3, 309-311	0

2074	Ultra-High Quality Cavity with 1.5 ppm Loss at 1064 nm. 1996 , 3, 369-372	21
2073	Injection-locking technique for the detection of gravitational waves. 1996 , 51, 553	1
2072	Improved sensitivity in a gravitational wave interferometer and implications for LIGO. 1996 , 218, 157-163	115
2071	Longitudinal control of an interferometer for the detection of gravitational waves. 1996 , 214, 112-122	29
2070	An experimental demonstration of resonant sideband extraction for laser-interferometric gravitational wave detectors. 1996 , 217, 305-314	34
2069	A modified commercial Ti:sapphire laser with 4 kHz rms linewidth. 1996 , 123, 558-562	9
2068	Measurement of fast frequency fluctuations: Allan variance of a grating-stabilized diode laser. 1996 , 128, 269-274	15
2067	Measurement of the coefficient of thermal expansion of a cryogenic, all-sapphire, Fabry-Perot optical cavity. 1996 , 131, 311-314	7
2066	Demonstration of a recombined Fabry-Perot-Michelson interferometer with suspended mirrors. 1996 , 62, 135-138	12
2065	Transfer of electronic oscillator frequency stability to laser frequency: an all solid-state approach to laser frequency control.	
2064	Phase sensitive detection of light reflected from a Fabry-Perot interferometer. 1996 , 67, 1714-1720	9
2063	Precision frequency measurement of the clock transition in a Sr/sup +/- single atom with an ultra-stable diode laser.	
2062	Accurate Frequency Control of External-Cavity Laser Diode by Sideband Locking Technique. 1996 , 35, 6090-6094	2
2061	An injection-locked Nd:YAG laser for the interferometric detection of gravitational waves. 1996 , 7, 162-169	15
2060	Frequency Stabilization of Tunable Lasers. 1997 , 103-136	2
2059	Laser frequency standards based on saturated-dispersion lines of methane. 1997 , 27, 1048-1062	14
2058	Laser frequency stabilization for spaceborne gravitational wave detectors. 1997 , 14, 1543-1547	14
2057	Evolution of the vacuum Rabi peaks in a detuned atom-cavity system. 1997 , 56, 3262-3273	41

2056	Cryogenic Optical Resonators: A New Tool for Laser Frequency Stabilization at the 1 Hz Level. 1997 , 78, 4741-4744	66
2055	Improved multistage wide band laser frequency stabilization. 1997 , 68, 223-229	15
2054	Investigation of the $2S_{1/2} \rightarrow 2D_{5/2}$ clock transition in a single ytterbium ion. 1997 , 56, 2699-2704	48
2053	Doppler-free two-photon absorption spectroscopy of the $A1Au \leftarrow X1Ag$ transition of trans-glyoxal. 1997 , 106, 8392-8400	22
2052	Optical Frequency Synthesizer For 0.6 THz Span At 1.5 μm Wavelength.	
2051	Laser spectroscopy of the 2s lamb shift in hydrogen-like silicon using an electron beam ion trap. 1997 , T73, 62-63	2
2050	Nonlinear Optical Frequency Conversion Techniques. 1997 , 29, 231-278	8
2049	Optical Wavelength Standards. 1997 , 29, 279-309	
2048	An all-diode-laser optical frequency reference using laser-trapped calcium.	2
2047	Measurement of Parity Nonconservation and an Anapole Moment in Cesium. 1997 , 275, 1759-63	845
2046	Optical mode cleaner with suspended mirrors. 1997 , 36, 1446-53	20
2045	Response of a Fabry-Perot optical cavity to phase modulation sidebands for use in electro-optic control systems. 1997 , 36, 6802-8	5
2044	Theoretical treatment, simulation, and experiments of doubly resonant sum-frequency mixing in an external resonator. 1997 , 36, 7766-75	21
2043	Multiple conversion and optical limiting in a subharmonic-pumped parametric oscillator. 1997 , 22, 363-5	13
2042	Optical frequency standard for optical fiber communication based on the Rb $5s \rightarrow 5d$ two-photon transition. 1997 , 22, 730-2	24
2041	Wideband and high frequency stabilization of an injection-locked Nd:YAG laser to a high-finesse Fabry Perot cavity. 1997 , 22, 1177-9	13
2040	Frequency-tunable 500-mW continuous-wave all-solid-state single-frequency source in the blue spectral region. 1997 , 22, 1220-2	35
2039	Phase-coherent light pulses for atom optics and interferometry. 1997 , 22, 1719-21	14

2038	Doughnut mode magneto-optical trap. 1997 , 14, 544	26
2037	Principles of calculating alignment signals in complex resonant optical interferometers. 1997 , 14, 1597	29
2036	Power recycling in the Garching 30 m prototype interferometer for gravitational-wave detection. 1997 , 225, 210-216	26
2035	High-speed holographic recording of 500 images in a rare earth doped solid. 1997 , 250, 435-438	4
2034	CW solid-state ultraviolet laser for optical disk mastering application. 1997 , 3, 35-39	2
2033	Performance analysis of Drever-Hall laser frequency stabilization using a proportional+integral servo. 1997 , 33, 532-540	8
2032	Laser frequency control using an optical resonator locked to an electronic oscillator. 1997 , 33, 1991-1996	4
2031	Effects of misalignment and beam jitter in Fabry-Perot laser stabilization. 1997 , 142, 50-54	2
2030	Saturation spectroscopy of an acetylene molecule in the 1550 nm region using an erbium doped fiber amplifier. 1997 , 142, 41-44	17
2029	Alignment procedure for the VIRGO interferometer: experimental results from the Frascati prototype. 1997 , 226, 31-40	18
2028	Displacement measurement in VIRGO super attenuators with a suspended fabry-perot interferometer. 1997 , 54, 179-183	1
2027	Amplitude noise and linewidth reduction of an Ar/ ⁺ laser. 1997 , 46, 153-156	1
2026	Precision frequency measurement of the $^2S_{1/2} \rightarrow ^2D_{5/2}$ transition of Sr/ ⁺ with a 674-nm diode laser locked to an ultrastable cavity. 1997 , 46, 169-173	30
2025	Nd:YAG laser frequency stabilization to a supercavity at the 0.1 Hz level. 1997 , 133, 259-262	6
2024	Measurement of frequency noise spectra of frequency-stabilized LD-pumped Nd:YAG laser by using a cavity with separately suspended mirrors. 1997 , 140, 323-330	4
2023	Cavity enhanced cw stimulated Brillouin scattering in a fused silica plate. 1997 , 140, 281-284	4
2022	CW cavity ring down spectroscopy. 1997 , 264, 316-322	402
2021	Feedback control of the intensity noise of injection locked lasers. 1998 , 145, 359-366	10

2020	Continuously-tunable doubly resonant optical parametric oscillator. 1998 , 148, 117-121	11
2019	FM spectroscopy in fluorescence in laser-cooled rubidium. 1998 , 152, 283-288	6
2018	Internally-coupled build-up cavity for frequency doubling of cw lasers. 1998 , 157, 88-92	3
2017	Tunable UV generation at 283nm by frequency doubling and sum frequency mixing of two semiconductor lasers for the detection of Pb. 1998 , 53, 1951-1955	10
2016	A Fabry-Pérot cavity for Compton polarimetry. 1998 , 412, 1-18	12
2015	A compact injection-locked Nd:YAG laser for gravitational wave detection. 1998 , 34, 2006-2009	9
2014	Cotton-Mouton effect measurement with the Fabry-Pérot eigenstates. 1998 , 73, 1032-1034	6
2013	Vibration transducer using an optical cavity comprising birefringent mirrors. 1998 , 37, 166-9	2
2012	Signal extraction in a power-recycled michelson interferometer with fabry-perot arm cavities by use of a multiple-carrier frontal modulation scheme. 1998 , 37, 5687-93	11
2011	Experimental test of an alignment-sensing scheme for a gravitational-wave interferometer. 1998 , 37, 7743-6	13
2010	Experimental demonstration of resonant sideband extraction in a sagnac interferometer. 1998 , 37, 7995-8001	13
2009	Differential intracavity phase spectroscopy and its application to a three-level system in samarium. 1998 , 58, 2252-2264	26
2008	Efficient resonant frequency doubling of a cw Nd:YAG laser in bulk periodically poled KTiOPO(4). 1998 , 23, 28-30	45
2007	Continuous-wave Raman laser in H(2). 1998 , 23, 367-9	84
2006	Frequency-stable and ultranarrow-linewidth semiconductor laser locked directly to an atomic-caesium transition. 1998 , 23, 472-4	14
2005	Ultrahigh long-term dimensional stability of a sapphire cryogenic optical resonator. 1998 , 23, 1031-3	34
2004	Subkilohertz enhanced-power diode-laser spectrometer in the visible. 1998 , 23, 1229-31	14
2003	Laser frequency stabilization by means of optical self-heterodyne beat-frequency control. 1998 , 23, 1280-2	45

2002	Spatial and temporal filtering of a 10-W Nd:YAG laser with a Fabry--Perot ring-cavity premode cleaner. 1998 , 23, 1704-6	95
2001	Quantum noise in a continuous-wave laser-diode-pumped Nd:YAG linear optical amplifier. 1998 , 23, 1852-4	5
2000	Real-time simulation of interferometric gravitational wave detectors involving moving mirrors. 1998 , 15, 120	5
1999	Cavity-locked ring-down spectroscopy. 1998 , 83, 3991-3997	125
1998	Stabilization of Injection Locking using Polarization Spectroscopic Technique. 1998 , 37, 3313-3318	1
1997	Experimental method to detect the magnetic birefringence of vacuum. 1998 , 10, 239-250	55
1996	Disk Mastering Process with an All-Solid-State Ultraviolet Laser. 1998 , 37, 2125-2129	5
1995	Use of optical frequency standards for measurements of dimensional stability. 1998 , 9, 1042-1048	16
1994	Ultrahigh-resolution spectroscopy of the A1Au<-X1Ag transition of trans-glyoxal. 1998 , 109, 4798-4806	17
1993	Optical transduction chain for gravitational wave bar detectors. 1998 , 69, 554-558	21
1992	Ultra Stable Solid-State Lasers.	
1991	Operation of an 8 m suspended Michelson interferometer. 1998 , 69, 2773-2776	1
1990	A computer-based digital feedback control of frequency drift of multiple lasers. 1998 , 69, 3737-3740	107
1989	Experimental Demonstration of a Suspended Dual Recycling Interferometer for Gravitational Wave Detection. 1998 , 81, 5493-5496	59
1988	Degenerate phase-conjugate four-wave mixing in a nearly-Doppler-free two-level atomic medium. 1998 , 58, 3089-3098	9
1987	A laser-diode spectrometer for the $^2S_{1/2} \rightarrow ^2D_{5/2}$ transition of single laser-cooled trapped Yb ⁺ .	1
1986	Towards an accurate frequency standard at 1.5 μm based on the acetylene overtone band transition.	0
1985	High Power Interferometric Phase Measurement Limited by Quantum Noise and Application to Detection of Gravitational Waves. 1998 , 80, 3181-3184	32

- 1984 Sub-Kilohertz Optical Spectroscopy with a Time Domain Atom Interferometer. **1998**, 80, 3173-3176 69
- 1983 Sub-nanometric metrology for high resolution astrometric interferometry.
- 1982 Optomechanical sensor at cryogenic temperatures. 1
- 1981 Effects of Field Fluctuations, Losses, and Aberrations on the Sensitivity of a Michelson GW Antenna Using Squeezed Radiation. **1998**, 19, 311-339
- 1980 Frequency noise measurements of 1.5 μm erbium lasers against molecular and Fabry-Perot reference lines.
- 1979 Characterization of a diode-pumped cw high-power all solid-state laser at 266 nm. 0
- 1978 An optical vernier technique for in situ measurement of the length of long Fabry-Perot cavities. **1999**, 10, 190-194 4
- 1977 A magneto-optical trap for chromium with population repumping via intercombination lines. **1999**, 45, 156-161 33
- 1976 .
- 1975 Precision measurement of parity nonconservation in cesium. **1999**, 77, 7-75 32
- 1974 Quantum noise in the position measurement of a cavity mirror undergoing Brownian motion. **1999**, 60, 538-548 50
- 1973 Visible Lasers with Subhertz Linewidths. **1999**, 82, 3799-3802 394
- 1972 Experimental investigation of the $6s21S0 \rightarrow 5d6s3D1,2$ forbidden transitions in atomic ytterbium. **1999**, 59, 3513-3526 29
- 1971 Programmable frequency reference for laser stabilization using persistent spectral hole burning.
- 1970 Frequency stabilized distributed feedback laser diode system at 1.323 μm using the modulated Zeeman effect. **1999**, 70, 3828-3831 2
- 1969 Optical detection of ultrasound with a phase-modulated Michelson interferometer. **1999**, 70, 4275-4278 3
- 1968 Interferometric measurements of the position of a macroscopic body: Towards observation of quantum limits. **1999**, 59, 1038-1044 116
- 1967 Threshold measurements of a non-resonant continuous wave Raman laser in H_2 .

1966	Ultrasound detection by using a confocal Fabry-Perot interferometer with phase-modulated light. 1999 , 37, 257-259	5
1965	Automatic beam alignment in the Garching 30-m prototype of a laser-interferometric gravitational wave detector. 1999 , 160, 321-334	16
1964	Absolute frequency measurement of the saturated absorption lines of methane in the 1.66 μ m region. 1999 , 161, 223-226	17
1963	Transmittivity profile of high finesse plane parallel Fabry-Perot cavities illuminated by Gaussian beams. 1999 , 162, 267-279	11
1962	Erbium-Ytterbium microlasers: optical properties and lasing characteristics. 1999 , 11, 269-288	110
1961	Active damping of suspension wire violin modes in gravitational wave detectors. 1999 , 261, 240-246	2
1960	Single slow atoms from an atomic fountain observed in a high-finesse optical cavity. 1999 , 159, 63-67	70
1959	A non-linear error signal extraction technique for length control of a Fabry-Perot cavity. 1999 , 161, 287-296	
1958	Generation of millimeter-wave signals up to 70.5 GHz by heterodyning of two extended-cavity semiconductor lasers with an intracavity electro-optic crystal. 1999 , 171, 159-169	16
1957	Toward an accurate frequency standard at 1.5 μ m based on the acetylene overtone band transition. 1999 , 48, 563-566	29
1956	Improving the power and spectral performance of a 27-33 THz AgGaS ₂ difference-frequency spectrometer. 1999 , 48, 592-595	3
1955	The optical calcium frequency standard. 1999 , 48, 613-617	35
1954	Narrow-line Doppler cooling of strontium to the recoil limit. 1999 , 48, 618-621	32
1953	UV Laser Spectroscopy Using the Velocity-Modulation Technique: New Hot Bands of the B(2) Σ^+ (u)-X(2) Σ^+ (g) System of N(2). 1999 , 197, 46-55	3
1952	Development towards a space qualified laser stabilization system in support of space-based optical interferometers.	
1951	Measurement methods of frequency noise in optical sources based on Fabry-Perot discriminators.	3
1950	¹⁹⁹ Hg ⁺ optical frequency standard: progress report.	2
1949	Fabry-Perot resonator with interferometric read-out for low noise applications.	

1948	The measurement of large optical frequency differences and the design of a new type of frequency chain.	1
1947	Toward the realization of a frequency standard at 1.5 μm based on narrow-linewidth erbium lasers and saturated acetylene lines.	
1946	Highly Sensitive Cavity-Enhanced Sub-Doppler Spectroscopy of a Molecular Overtone Band with a 1.66 μm Tunable Diode Laser. 1999 , 38, 920-922	36
1945	Method for analyzing multiple-mirror coupled optical systems. 1999 , 16, 1730	4
1944	Singly resonant cavity-enhanced frequency tripling. 1999 , 16, 448	13
1943	Dynamic response of a Fabry-Perot interferometer. 1999 , 16, 523	76
1942	Experimental demonstration of data erasure for time-domain optical memories. 1999 , 16, 805	5
1941	Cavity-enhanced absorption spectroscopy of molecular oxygen. 1999 , 16, 2247	93
1940	Ultrasensitive frequency-modulation spectroscopy enhanced by a high-finesse optical cavity: theory and application to overtone transitions of C ₂ H ₂ and C ₂ H ₄ . 1999 , 16, 2255	143
1939	Absolute-length determination of a long-baseline Fabry-Perot cavity by means of resonating modulation sidebands. 1999 , 38, 2848-56	21
1938	Loss factors of mirrors for a gravitational wave antenna. 1999 , 38, 2880-5	15
1937	Optical contamination screening of materials with a high-finesse Fabry-Perot cavity resonated continuously at 1.06- microm wavelength in vacuum. 1999 , 38, 5378-83	4
1936	Suppression of classic and quantum radiation pressure noise by electro-optic feedback. 1999 , 24, 259-61	30
1935	Fourier synthesis of 9.6-GHz optical-pulse trains by phase locking of three continuous-wave semiconductor lasers. 1999 , 24, 303-5	8
1934	Programmable frequency reference for subkilohertz laser stabilization by use of persistent spectral hole burning. 1999 , 24, 1038-40	37
1933	Diode-pumped nonresonant continuous-wave Raman laser in H ₂ with resonant optical feedback stabilization. 1999 , 24, 1130-2	23
1932	Efficient quasi-phase-matched frequency doubling with phase compensation by a wedged crystal in a standing-wave external cavity. 1999 , 24, 1236-8	30
1931	Frequency locking a laser to an optical cavity by use of spatial mode interference. 1999 , 24, 1499-501	63

1930	Kilohertz linewidth from frequency-stabilized mid-infrared quantum cascade lasers. 1999 , 24, 1844-6	93
1929	High-sensitivity optical measurement of mechanical Brownian motion. 1999 , 47, 545-551	75
1928	Submillimeter-Wave Measurements and Analysis of the Ground and $\nu = 1$ States of Water. 2000 , 128, 371-385	31
1927	Near-Infrared Laser Spectrometer with Sub-Doppler Resolution, High Sensitivity, and Wide Tunability: A Case Study in the 1.65- μm Region of CH(3)I Spectrum. 2000 , 200, 147-149	15
1926	Stabilization of the frequency, phase, and repetition rate of an ultra-short pulse train to a FabryPerot reference cavity. 2000 , 175, 409-418	49
1925	The short- and long-term frequency stabilization of an injection-locked Nd:YAG laser in reference to a FabryPerot cavity and an iodine saturated absorption line. 2000 , 183, 165-173	15
1924	Continuous-wave 532-nm-pumped singly resonant optical parametric oscillator with periodically poled KTiOPO4. 2000 , 184, 329-333	12
1923	Ultrahigh level of frequency stabilisation of an injection locked Nd:YAG laser with relevance to gravitational wave detection. 2000 , 186, 177-184	4
1922	Studies of problems connected with wide scan dye laser spectroscopy. 2000 , 14, 19-24	1
1921	Signal-separation experiments for a power-recycled FabryPerotMichelson interferometer by sideband elimination. 2000 , 268, 268-273	6
1920	New signal extraction scheme with harmonic demodulation for power-recycled FabryPerotMichelson interferometers. 2000 , 273, 15-24	18
1919	Laser frequency stabilisation for LISA: Experimental progress. 2000 , 25, 1137-1141	4
1918	Cryogenic contamination of an ultra-low loss mirror for cryogenic laser interferometric gravitational wave detector. 2000 , 40, 61-66	7
1917	Performance of the Glasgow 10 m prototype gravitational wave detector operating at $\lambda 1064$ nm. 2000 , 273, 277-284	5
1916	A tunable cavity-locked diode laser source for terahertz photomixing. 2000 , 48, 380-387	40
1915	Laser Stabilisation for the Measurement of Thermal Noise. 2000 , 32, 399-409	1
1914	Highly Efficient Frequency Doubling with a KNbO3 Semi-Monolithic Resonator. 2000 , 7, 22-24	
1913	How to catch an atom with single photons. 2000 , 47, 2769-2787	20

1912	Active distance stabilization of large bodies using Fabry-Perot interferometry.	0
1911	Characterization of a novel high-power fiber-pumped Er-Yb microlaser in single-frequency operation at 1.5 μm .	
1910	Laser interferometric gravitational wave detectors. 2000 , 17, R19-R40	15
1909	The Low Frequency Facility, R&D experiment of the VIRGO project. 2000 , 2, 172-178	5
1908	Detection of gravitational waves. 2000 , 63, 1317-1427	52
1907	Interferometric gravitational wave detection: accomplishing the impossible. 2000 , 17, 2441-2448	2
1906	Long term laser frequency control for applications in atomic physics. 2000 , 11, N111-N116	5
1905	High-gain power recycling of a Fabry-Perot Michelson interferometer for a gravitational-wave antenna. 2000 , 39, 4616-20	12
1904	Cavity ringdown heterodyne spectroscopy: High sensitivity with microwatt light power. 2000 , 61,	42
1903	A laser-locked cavity ring-down spectrometer employing an analog detection scheme. 2000 , 71, 347-353	98
1902	Control of the double pendulum optics suspension system of a 30 m triangular Fabry-Perot cavity. 2000 , 71, 2890-2894	2
1901	A sub-Doppler resolution double resonance molecular beam infrared spectrometer operating at chemically relevant energies (~ 2 eV). 2000 , 71, 4032	3
1900	Tunable frequency-locked diode lasers.	
1899	Spectroscopy of the electric-quadrupole transition $2S_{1/2}(F=0) \rightarrow D_{3/2}(F=2)$ in trapped $^{171}\text{Yb}^+$. 2000 , 61,	75
1898	Intensity correlations in cavity QED. 2000 , 61,	49
1897	Experimental generation of bright two-mode quadrature squeezed light from a narrow-band nondegenerate optical parametric amplifier. 2000 , 62,	184
1896	Measurement of mirror birefringence at the sub-ppm level: Proposed application to a test of QED. 2000 , 62,	32
1895	Frequency stabilization of a 1.54 μm DFB-laser diode to Doppler-free lines of acetylene.	

1894	Non-linear spectroscopy of isotopic acetylene at $\lambda=1.5 \mu\text{m}$ for absolute frequency stabilization of diode-pumped Er-Yb:glass laser.	
1893	Modulation-free control of a continuous-wave second-harmonic generator. 2000 , 2, 400-404	10
1892	Analysis of light noise sources in a recycled Michelson interferometer with Fabry-Perot arms. 2000 , 17, 120-8	16
1891	Principles of calculating the dynamical response of misaligned complex resonant optical interferometers. 2000 , 17, 1642-9	7
1890	Sources of phase noise in an injection-locked solid-state laser. 2000 , 17, 280	5
1889	Intensity-dependent refractive index in a nonresonant cw Raman laser that is due to thermal heating of the Raman-active gas. 2000 , 17, 758	15
1888	High-resolution frequency standard at 1030 nm for Yb:YAG solid-state lasers. 2000 , 17, 927	19
1887	Phase-sensitive reflection technique for characterization of a fabry-perot interferometer. 2000 , 39, 3638-43	26
1886	Low-Amplitude-Noise Laser for AURIGA Detector Optical Readout. 2000 , 39, 5732-8	15
1885	Determination and optimization of mode matching into optical cavities by heterodyne detection. 2000 , 25, 266-8	26
1884	Widely tunable continuous-wave Raman laser in diatomic hydrogen pumped by an external-cavity diode laser. 2000 , 25, 472-4	32
1883	Frequency stabilization of a monolithic Nd:YAG ring laser by controlling the power of the laser-diode pump source. 2000 , 25, 1019-21	22
1882	Diode laser frequency-noise suppression by >50dB by use of electro-optic parametric master oscillators. 2000 , 25, 1098-100	3
1881	Measurement of the thermal contribution to the nonlinear refractive index of air at 1064nm. 2000 , 25, 1192-4	10
1880	2-microm Doppler lidar transmitter with high frequency stability and low chirp. 2000 , 25, 1228-30	70
1879	Quantum frequency standards. 2000 , 6, 857-868	3
1878	Using an injection-locked diode laser to pump a CW Raman laser. 2000 , 36, 1280-1283	10
1877	Optical parametric oscillator far below threshold: Experiment versus theory. 2000 , 62,	62

1876	Measurement of the thermal nonlinear refractive index of air at 1.064 microns using a cw laser.	
1875	Narrow H ₂ 18O lines and new absolute frequency references in the near-IR. 2000 , 2, 310-313	5
1874	Fabry-Perot resonator with interferometric read-out for low noise applications. 2000 , 47, 495-501	1
1873	Laser frequency stabilization using regenerative spectral hole burning. 2000 , 62, 1473-1476	53
1872	Amplitude response of Fabry-Perot frequency discriminators. 2000 , 47, 1115-21	3
1871	Optical Frequency Standards Based on Neutral Atoms and Molecules. 2001 , 95-129	1
1870	Stabilization of femtosecond lasers for optical frequency metrology and direct optical to radio frequency synthesis. 2001 , 86, 3288-91	101
1869	An introduction to Pound-Drever-Hall laser frequency stabilization. 2001 , 69, 79-87	677
1868	Low-noise detection of ultracold atoms. 2001 , 26, 364-6	18
1867	High-conversion-efficiency, diode-pumped continuous-wave Raman laser. 2001 , 26, 426-8	24
1866	Spatial patterns induced in a laser beam by thermal nonlinearities. 2001 , 26, 1084-6	4
1865	Wide-bandwidth 25-dB amplitude noise suppression in a pump-and-signal-resonant optical parametric oscillator. 2001 , 26, 1087-9	1
1864	Reducing the linewidth of a diode laser below 30 Hz by stabilization to a reference cavity with a finesse above 10(5). 2001 , 26, 1562-4	38
1863	Doppler-induced dynamics of fields in fabry-perot cavities with suspended mirrors. 2001 , 40, 1942-9	19
1862	Measurement of birefringence of low-loss, high-reflectance coating of m-axis sapphire. 2001 , 40, 3753-8	4
1861	Readout and control of a power-recycled interferometric gravitational-wave antenna. 2001 , 40, 4988-98	59
1860	Demodulation of intensity and shot noise in the optical heterodyne detection of laser interferometers for gravitational waves. 2001 , 40, 6596-605	14
1859	Infrared radio-frequency double-resonance spectroscopy of molecular vibrational-overtone bands using a Fabry-Perot cavity-absorption cell. 2001 , 18, 1019	4

1858	Technique for locking a second-harmonic generation cavity with an electro-optic active nonlinear crystal. 2001 , 18, 1161	
1857	Two-photon absorption in potassium niobate. 2001 , 18, 1813	17
1856	Stabilization of injection-locked lasers using spatial mode interference. 2001 , 37, 653-657	5
1855	Phase and frequency stabilization of a pump laser to a Raman active resonator. 2001 , 37, 1075-1083	4
1854	Wavelength modulation detection of trace gas using a Fabry-Perot cavity.	
1853	Sub-Nanometric Optics Stabilization In View Of Gaia Astrometric Mission. 2001 , 34, 359-364	
1852	Compton scattering off polarized electrons with a high-finesse Fabry-Perot Cavity at JLab. 2001 , 459, 412-425	32
1851	Improved performance of the Glasgow 10 m prototype gravitational wave detector using an injection-locked Nd:YAG laser source. 2001 , 287, 62-64	2
1850	Diode laser frequency stabilization to transient spectral holes and spectral diffusion in Er ³⁺ : Y2SiO5 at 1536 nm. 2001 , 94-95, 565-568	27
1849	Numerical modeling of laser stabilization by regenerative spectral hole burning. 2001 , 94-95, 587-591	7
1848	Diode lasers for fast-beam laser experiments. 2001 , 187, 219-230	3
1847	Improved three-dimensional control of a single strontium ion in an endcap trap. 2001 , 190, 193-203	30
1846	Frequency comparison and absolute frequency measurement of I2-stabilized lasers at 532 nm. 2001 , 192, 263-272	49
1845	Twin beams correlation and single beam noise for triply resonant KTP OPOs. 2001 , 194, 373-379	14
1844	Probing molecular species by cavity ringdown laser absorption spectroscopy, application to the spectroscopy and dynamics of jet-cooled NO2. 2001 , 2, 929-964	3
1843	Optical frequency synthesis based on mode-locked lasers. 2001 , 72, 3749-3771	166
1842	Real-time displacement measurements with a Fabry-Perot cavity and a diode laser. 2001 , 25, 321-335	29
1841	Nonlinear spectroscopy of isotopic acetylene at $\lambda = 1.5 \mu\text{m}$ for absolute frequency stabilization of diode-pumped Er-Yb: Glass lasers. 2001 , 50, 497-499	4

1840	Subnanometer digital positioning of large bodies by Fabry-Peřrot interferometry. 2001 , 40, 76	5
1839	Narrow-band phase noise measurement around an electro-optically applied, RF phase modulation of a laser field. 2001 , 3, 196-199	2
1838	The status of LIGO installation and commissioning. 2001 , 18, 4107-4112	1
1837	Cavity-Enhanced Detection System with an Optically-Feedbacked Diode Laser for Faraday Effect Measurements. 2001 , 40, L802-L804	
1836	Diode laser frequency control for cavity ring-down spectroscopy.	
1835	Laser stabilization at 1536 nm using regenerative spectral hole burning. 2001 , 63,	35
1834	Probing nuclear quadrupole interactions in the rotationally resolved S1<-S0 electronic spectrum of 2-chloronaphthalene. 2001 , 115, 225-235	19
1833	An upper limit to the frequency noise associated with the relaxation oscillation of a monolithic Nd:YAG ring laser. 2001 , 48, 1129-1134	
1832	Frequency Comparison and Absolute Frequency Measurement of I2-stabilized Lasers at 532 nm. 2001 , 576-588	0
1831	Phase noise transfer in resonant optical cavities. 2001 , 72, 3208-3214	5
1830	Enhanced Raman sensitivity using an actively stabilized external resonator. 2001 , 72, 1970-1976	39
1829	Measurement of the 1s2s 1S0-1s2p 3P1 intercombination interval in helium-like silicon. 2002 , 88, 023002	12
1828	Experimental measurement of the dynamic photothermal effect in Fabry-Perot cavities for gravitational wave detectors. 2002 , 89, 237402	29
1827	Experimental demonstration of a squeezing-enhanced power-recycled michelson interferometer for gravitational wave detection. 2002 , 88, 231102	152
1826	Development of a 1.5 micron acetylene stabilised frequency standard and the measurement of its frequency using single Sr/sup +/- standard.	
1825	Design and evaluation of a simple ultralow vibration vacuum environment. 2002 , 73, 209-215	6
1824	Development of a light source with an injection-locked Nd:YAG laser and a ring-mode cleaner for the TAMA 300 gravitational-wave detector. 2002 , 73, 2136-2142	10
1823	Highly stable laser towards spaceborne gravitational wave detection.	

1822	Kilohertz-resolution spectroscopy of the $2S_{1/2} \rightarrow 2P_{7/2}$ electric octupole transition in a single $^{171}\text{Yb}^+$ ion. 2002 , 65,	28
1821	Development of a silver atom optical clock.	
1820	Thrust measurement at micronewton level.	
1819	Optical references for telecom wavelengths and measurement of their absolute frequency.	3
1818	Data acquisition and detector characterization of GEO600. 2002 , 19, 1399-1407	14
1817	Towards measuring the off-resonant thermal noise of a pendulum mirror. 2002 , 19, 1717-1721	4
1816	First room temperature operation of the AURIGA optical readout. 2002 , 19, 1919-1924	14
1815	Advanced LIGO optical configuration and prototyping effort. 2002 , 19, 1575-1584	38
1814	The cross-coupled interferometer for gravitational wave detection. 2002 , 19, 1997-2004	
1813	Dual recycling for GEO 600. 2002 , 19, 1547-1553	18
1812	Double pass locking and spatial mode locking for gravitational wave detectors. 2002 , 19, 1819-1824	5
1811	Quantum nondemolition measurement with a nonclassical meter input and an electro-optic enhancement. 2002 , 4, S229-S237	4
1810	Commissioning of the LIGO detectors. 2002 , 19, 1429-1435	32
1809	Sensing and controls for power-recycling of TAMA300. 2002 , 19, 1843-1848	14
1808	Stabilization of mode-locked trains, and dark resonance of two-photon lambda-level structures. 2002 , 49, 2517-2533	9
1807	Magnetic nanodots from atomic Fe: can it be done?. 2002 , 99 Suppl 2, 6509-13	7
1806	The StarLight metrology subsystem.	1
1805	Control of light pulse propagation with only a few cold atoms in a high-finesse microcavity. 2002 , 89, 233001	50

1804	Continuous-wave rotational Raman laser in H(2). 2002 , 27, 1226-8	26
1803	Low-power Lamb-dip spectroscopy of very weak CO(2) transitions near 4.25 μm . 2002 , 27, 1256-8	17
1802	Wide wavelength tuning of an optical parametric oscillator through electro-optic shaping of the gain spectrum. 2002 , 27, 1433-5	12
1801	Role of spurious reflections in ring-down spectroscopy. 2002 , 27, 1833-5	8
1800	Frequency stabilization of quantum-cascade lasers by use of optical cavities. 2002 , 27, 2164-6	50
1799	Quantum-limited optical phase detection at the 10^{-10} -rad level. 2002 , 19, 91-100	6
1798	Steady-state thermo-optic model of a continuous-wave Raman laser. 2002 , 19, 1318	19
1797	Optical decay from a FabryPerot cavity faster than the decay time. 2002 , 19, 1425	13
1796	Squeezed singly resonant second-harmonic generation in periodically poled lithium niobate. 2002 , 19, 1592	10
1795	Tunable continuous-wave doubly resonant optical parametric oscillator by use of a semimonolithic KTP crystal. 2002 , 41, 1124-7	4
1794	Dynamic models of Fabry-Perot interferometers. 2002 , 41, 2894-906	6
1793	All-solid-state tunable continuous-wave ultraviolet source with high spectral purity and frequency stability. 2002 , 41, 7000-5	20
1792	Demonstration of a 1-W injection-locked continuous-wave titanium:sapphire laser. 2002 , 41, 7583-7	18
1791	Analysis and observation, on an atomic resonance, of the frequency shift due to the length modulation of an optical cavity. 2002 , 41, 7702-6	7
1790	Toward a photonic arbitrary waveform generator using a modelocked external cavity semiconductor laser. 2002 , 14, 1608-1610	88
1789	Frequency-noise sensitivity and amplitude-noise immunity of discriminators based on fringe-side Fabry-Perot cavities. 2002 , 49, 1150-1159	8
1788	Resonant sum-frequency generation. 2002 , 38, 12-18	17
1787	. 2002 , 38, 1325-1330	6

1786	Frequency stability of spatial mode interference (tilt) locking. 2002 , 38, 1521-1528	7
1785	Semiconductor lasers stabilized to spectral holes in rare earth crystals to a part in 10 ¹³ and their application to devices and spectroscopy. 2002 , 98, 309-315	26
1784	Trace-gas analysis using diode lasers in the near-IR and long-path techniques. 2002 , 37, 509-520	14
1783	A high power photodetection system for use with laser interferometric gravitational wave detectors. 2002 , 205, 405-413	4
1782	Frequency stabilization of a 1.54 μm Er ³⁺ /Yb laser against Doppler-free ¹³ C ₂ H ₂ lines. 2002 , 209, 411-416	13
1781	A Nd:YAG Laser with short-term frequency stability at the Hertz-level. 2002 , 210, 91-100	21
1780	A self-locked magneto-optic trap. 2002 , 212, 85-88	4
1779	The effect of variation of the Fabry-Perot-Michelson interferometer parameters on the sensitivity of interferometric detectors of gravitation waves. 2002 , 93, 757-762	
1778	Dynamic resonance of light in Fabry-Perot cavities. 2002 , 305, 239-244	34
1777	Quantum cascade lasers: ultrahigh-speed operation, optical wireless communication, narrow linewidth, and far-infrared emission. 2002 , 38, 511-532	216
1776	How to realize a universal quantum gate with trapped ions. 2003 , 77, 789-796	102
1775	Optical frequency standards based on the ¹⁹⁹ Hg ⁺ ion. 2003 , 52, 245-249	6
1774	Diode laser phase noise influence on the ultimate performance of its frequency stabilization to a Mach-Zehnder interferometer fringe. 2003 , 52, 1846-1853	3
1773	. 2003 , 9, 1519-1532	25
1772	A setup for high-resolution isotope shift measurements on unstable lithium isotopes. 2003 , 204, 644-648	14
1771	Efficient cw high-power frequency doubling in periodically poled KTP. 2003 , 227, 389-403	52
1770	Efficient cw operation of diode-pumped Nd:YLF lasers at 1312.0 and 1322.6 nm for a silver atom optical clock. 2003 , 217, 357-362	28
1769	High resolution Doppler-free spectroscopy of molecular iodine using a continuous wave optical parametric oscillator. 2003 , 218, 131-134	7

1768	Frequency locking by analysis of orthogonal modes. 2003 , 221, 163-171	11
1767	Fluorescence of a highly collimated atomic cesium beam: theory and experiment. 2003 , 222, 17-28	17
1766	Measurement of the frequency response of a bench-top quantum speed meter interferometer. 2003 , 316, 17-23	5
1765	Sub-nanometric optics stabilization in view of the GAIA astrometric mission. 2003 , 11, 569-578	14
1764	A folded Fabry-Pérot cavity for optical sensing in gravitational wave detectors. 2003 , 309, 15-23	16
1763	Ultimate linewidth reduction of a semiconductor laser frequency-stabilized to a Fabry-Pérot interferometer. 2003 , 50, 1414-21	2
1762	Clock transition for a future optical frequency standard with trapped atoms. 2003 , 68,	57
1761	Sensing and control in dual-recycling laser interferometer gravitational-wave detectors. 2003 , 42, 1244-56	44
1760	Power-recycled Michelson interferometer with resonant sideband extraction. 2003 , 42, 1283-95	12
1759	Periodically locked continuous-wave cavity ringdown spectroscopy. 2003 , 42, 3670-7	39
1758	Linewidth reduction by 6 orders of magnitude of a broad-area 729-nm diode laser. 2003 , 42, 4871-6	6
1757	An introduction to signal extraction in interferometric gravitational wave detectors. 2003 , 71, 365-378	19
1756	Offset compensation by use of amplitude-modulated sidebands in optical frequency standards. 2003 , 28, 2186-8	22
1755	20 W of continuous-wave sodium D2 resonance radiation from sum-frequency generation with injection-locked lasers. 2003 , 28, 2219-21	78
1754	High-spectral-purity laser system for the AURIGA detector optical readout. 2003 , 20, 462	17
1753	Model of thermal wave-front distortion in interferometric gravitational-wave detectors I Thermal focusing. 2003 , 20, 1247	11
1752	Heterodyne frequency calibration of high resolution cesium spectra using diode lasers. 2003 , 216, 391-399	7
1751	1. Stabilizing diode lasers to high-finesse cavities. 2003 , 40, 1-46	20

1750	Precision frequency measurement of visible intercombination lines of strontium. 2003 , 91, 243002	60
1749	Lasers, Dye. 2003 , 315-359	
1748	Investigation of sub-Doppler cooling in an ytterbium magneto-optical trap. 2003 , 68,	48
1747	High-efficiency interaction-free measurements using a stabilized Fabry-Perot cavity.	
1746	Lock-in amplifier up to 530 MHz with phase and amplitude demodulation.	1
1745	Room temperature gravitational wave bar detector with optomechanical readout. 2003 , 93, 3589-3595	24
1744	Absolute frequency measurements of acetylene-stabilized diode laser frequency standards.	
1743	The Dick effect for an optical frequency standard. 2003 , 5, S150-S154	57
1742	Cold atoms in a high-Q ring cavity. 2003 , 67,	67
1741	Detailed velocity-dependent line shapes for degenerate four-wave mixing spectra in a two-level atomic system. 2003 , 67,	3
1740	Development of a multistage laser frequency stabilization for an interferometric gravitational-wave detector. 2003 , 74, 4176-4183	18
1739	Observation of the nuclear magnetic octupole moment of ^{133}Cs . 2003 , 91, 072501	57
1738	Wide-band direct measurement of thermal fluctuations in an interferometer. 2003 , 91, 260602	40
1737	Phase-coherent all-optical frequency division by three. 2003 , 67,	7
1736	Observation of an oscillatory correlation function of multimode two-photon pairs. 2003 , 68,	12
1735	Frequency standards, metrology and fundamental constants. 2003 , 44, 99-135	5
1734	Spectroscopy of the $1S_0$ - $3P_0$ clock transition of ^{87}Sr in an optical lattice. 2003 , 91, 223001	126
1733	All-optical measurement of nuclear-spin relaxation. 2003 , 68,	3

1732	Subkilohertz absolute-frequency measurement of the 467-nm electric octupole transition in $^{171}\text{Yb}^+$. 2003 , 67,	24
1731	Implementation of time-delay interferometry for LISA. 2003 , 67,	48
1730	Nuclear quadrupole resonance of an electronically excited state from high-resolution hole-burning spectroscopy. 2003 , 67,	16
1729	Stable nondegenerate optical parametric oscillation at degenerate frequencies in Na:KTP. 2003 , 5, 262-267	17
1728	8. Single atoms moving in a high-finesse cavity. 2003 , 40, 255-295	1
1727	Lasers and Their Emission Characteristics. 2003 , 177-201	0
1726	Digital control of an interferometric balance for micro-thrust measurement.	
1725	Continuous variable polarization entanglement, experiment and analysis. 2003 , 5, S467-S478	11
1724	Systematic frequency shifts of the 467 nm electric octupole transition in $^{171}\text{Yb}^+$. 2003 , 36, 981-989	24
1723	The $^{199}\text{Hg}^+$ single ion optical clock: recent progress. 2003 , 36, 545-551	11
1722	Generation of frequency-tunable twin beams and its application in subshot-noise FM spectroscopy. 2003 , 64, 15-21	6
1721	Measurement of optical frequencies and frequency ratios. 2003 , 14, 1200-1215	3
1720	3. Absorption detection at the quantum limit: Probing high-finesse cavities with modulation techniques. 2003 , 40, 83-127	1
1719	5. The continuous-wave hydrogen raman laser. 2003 , 40, 157-184	1
1718	Applications of Optical Cavities in Modern Atomic, Molecular, and Optical Physics. 2003 , 1-83	18
1717	An optical readout scheme for advanced acoustic GW detectors. 2004 , 21, S1237-S1240	2
1716	An experiment to investigate optical spring parametric instability. 2004 , 21, S1253-S1258	10
1715	Noise reduction in gravitational wave interferometers using feedback. 2004 , 6, S691-S697	6

1714	Spot size and Guoy phase invariant telescope for auto-alignment of resonant cavities. 2004 , 21, S909-S914	3
1713	An Optical Frequency Standard with Cold and Ultra-cold Calcium Atoms. 2004 , 229-244	5
1712	Application of new pre-isolation techniques to mode cleaner design. 2004 , 21, S951-S958	4
1711	Analysis of a sub-shot-noise power recycled Michelson interferometer. 2004 , 21, S1037-S1043	6
1710	Correction of the distortion in frequency modulation spectroscopy. 2004 , 15, 1327-1336	19
1709	Results of the Virgo central interferometer commissioning. 2004 , 21, S395-S402	4
1708	Alignment control of GEO 600. 2004 , 21, S441-S449	18
1707	Dual recycling for GEO 600. 2004 , 21, S473-S480	33
1706	Polarization-entangled mode-locked photons from cavity-enhanced spontaneous parametric down-conversion. 2004 , 70,	46
1705	Optical Ramsey spectroscopy of a single trapped Sr+88 ion. 2004 , 70,	26
1704	Measurement of the electric quadrupole moment of the 4d2D5/2 level in 88Sr+. 2004 , 93, 133001	57
1703	Thermal-noise limit in the frequency stabilization of lasers with rigid cavities. 2004 , 93, 250602	328
1702	Ultrafast resonant polarization interferometry: Towards the first direct detection of vacuum polarization. 2004 , 70,	17
1701	Ultrastable performance of an underground-based laser interferometer observatory for gravitational waves. 2004 , 69,	16
1700	Experimental characterization of continuous-variable entanglement. 2004 , 69,	67
1699	Narrow line cooling and momentum-space crystals. 2004 , 70,	60
1698	Precision stabilization of femtosecond lasers to high-finesse optical cavities. 2004 , 69,	35
1697	Absolute Frequency Measurements of 1.5 Micron Acetylene-Stabilized Lasers. 2004 ,	1

1696	Pound circuit-induced frequency sensitivities in ultra-stable cryogenic oscillators.	0
1695	GRAVITATIONAL WAVE ASTRONOMY. 2004 , 54, 525-577	22
1694	Microwave spectroscopy of cold rubidium atoms. 2004 , 80, 161-166	4
1693	Continuous-wave Doppler-free two-photon spectroscopy of the $(4d^{10}5s)$ $(^2S_{1/2} \rightarrow 4d^9 5s^2)$ $(^2D_{3/2})$ transition in atomic silver. 2004 , 31, 3-10	6
1692	Physics of interferometric gravitational wave detectors. 2004 , 63, 645-662	4
1691	Sub-Doppler rotationally resolved spectroscopy of the bands of benzene and benzene-d6. 2004 , 227, 180-186	24
1690	High-resolution cavity-tuned ringdown spectrometer using a narrow-bandwidth pulsed laser source. 2004 , 78, 493-501	1
1689	Narrow-line diode laser system for laser cooling of strontium atoms on the intercombination transition. 2004 , 78, 315-320	22
1688	Two stage laser stabilization using external cavities: Application to a 10 μ m CO2 laser locked to an OsO4 transition. 2004 , 78, 339-344	1
1687	Absolute frequency measurement of acetylene transitions in the region of 1540 nm. 2004 , 79, 45-50	14
1686	Laser diode stabilisation for coherent driving of rare earth ions. 2004 , 241, 203-213	34
1685	Nanobalance: an automated interferometric balance for micro-thrust measurement. 2004 , 43, 169-87	25
1684	Stabilization, injection and control of quantum cascade lasers, and their application to chemical sensing in the infrared. 2004 , 60, 3457-68	95
1683	Stabilization of a FabryPerot interferometer using a suspension-point interferometer. 2004 , 327, 1-8	20
1682	Direct observation of broadband coating thermal noise in a suspended interferometer. 2004 , 328, 1-5	31
1681	Detection of vacuum birefringence using intense laser pulses. 2004 , 330, 429-434	11
1680	Detector description and performance for the first coincidence observations between LIGO and GEO. 2004 , 517, 154-179	229
1679	Development and study of a 1.5 μ m optical frequency standard referenced to the P(16) saturated absorption line in the (ν_2) overtone band of $^{13}\text{C}_2\text{H}_2$. 2004 , 234, 259-268	29

1678	The optical calcium frequency standards of PTB and NIST. 2004 , 5, 845-855	52
1677	Optical comb frequencies stabilization and super mode noise suppression of harmonically modelocked semiconductor ring laser using a single etalon.	
1676	IEN-CsF1 accuracy evaluation and two-way frequency comparison. 2004 , 51, 1216-24	22
1675	Distributed metrology and active control for according stabilization of space telescopes.	
1674	Enhanced photothermal displacement spectroscopy for thin-film characterization using a Fabry-Perot resonator. 2004 , 95, 7655-7659	14
1673	Creation, doubling and splitting of vortices in intracavity second harmonic generation. 2004 , 6, 486-489	0
1672	Frequency-stabilized single-mode cavity ring-down apparatus for high-resolution absorption spectroscopy. 2004 , 75, 849-863	132
1671	Chirped excitation of optically dense inhomogeneously broadened media using Eu ³⁺ :Y ₂ SiO ₅ . 2004 , 21, 811	5
1670	Hyperfine-structure splittings and absorption strengths of molecular-iodine transitions near the trapping frequencies of francium. 2004 , 21, 1113	9
1669	Longitudinal mode-hopping hysteresis and bistability in a homogeneously broadened, continuous-wave Raman laser. 2004 , 21, 1318	2
1668	Measurement of pressure-broadened, ultraweak transitions with noise-immune cavity-enhanced optical heterodyne molecular spectroscopy. 2004 , 21, 1713	40
1667	Saturated Absorption Spectroscopy of ¹³ C ₂ H ₂ in the Near Infrared Region. 2004 , 8, 1-5	1
1666	High-power deuterium Raman laser at 632 nm. 2004 , 43, 1162-6	8
1665	Automatic beam alignment for the mode-cleaner cavities of GEO 600. 2004 , 43, 1938-45	4
1664	Electro-optic modulator capable of generating simultaneous amplitude and phase modulations. 2004 , 43, 5079-91	7
1663	Absolute frequency measurement of a 1.5-microm acetylene standard by use of a combined frequency chain and femtosecond comb. 2004 , 29, 566-8	26
1662	Frequency-resolving spatiotemporal wave-front sensor. 2004 , 29, 1452-4	15
1661	Subhertz-linewidth Nd:YAG laser. 2004 , 29, 1497-9	64

1660	Solid-state laser intensity stabilization at the 10^{-8} level. 2004 , 29, 1876-8	24
1659	First step toward a benchtop model of the Laser Interferometer Space Antenna. 2004 , 29, 2843-5	6
1658	High-efficiency continuous-wave Raman laser pumped by an injection-locked broad-area diode laser. 2004 , 40, 390-393	2
1657	The Global Control of the Virgo experiment. 2005 , 550, 467-489	8
1656	Accurate spectroscopy of Sr atoms. 2005 , 33, 161-171	27
1655	Kerr effect of molecular oxygen at $\lambda 1064$ nm. 2005 , 36, 261-269	6
1654	Long-term frequency stability and linewidth properties of continuous-wave pump-resonant optical parametric oscillators. 2005 , 80, 307-313	15
1653	Fast, low-noise, mode-by-mode, cavity-enhanced absorption spectroscopy by diode-laser self-locking. 2005 , 80, 1027-1038	161
1652	High-accuracy frequency atlas of $^{13}\text{C}_2\text{H}_2$ in the $1.5\ \mu\text{m}$ region. 2005 , 80, 977-983	37
1651	Observation of motional sidebands in single $^{40}\text{Ca}^+$ ions with improved detection efficiency. 2005 , 80, 1011-1014	5
1650	A build-up cavity for Fourier transform emission experiments. 2005 , 232, 14-25	1
1649	High-precision frequency measurements of the $\nu_1+\nu_2$ combination band of $^{12}\text{C}_2\text{H}_2$ in the $1.5\ \mu\text{m}$ region. 2005 , 234, 143-148	29
1648	Accurate measurement of the electron beam polarization in JLab Hall A using Compton polarimetry. 2005 , 551, 563-574	19
1647	Automatic alignment of a rigid spacer cavity. 2005 , 37, 1591-1599	2
1646	Development of a simulator of a satellite-to-satellite interferometer for determination of the Earth's gravity field. 2005 , 76, 124501	3
1645	Automation and control of Fabry-Perot interferometers.	
1644	Laser interferometry for the detection of gravitational waves. 2005 , 7, S257-S264	17
1643	Quantum noise locking. 2005 , 7, S421-S428	56

1642	The status of GEO 600. 2005 , 22, S193-S198	20
1641	Laser frequency noise suppression by arm-locking in LISA: progress towards a bench-top demonstration. 2005 , 22, S221-S226	12
1640	Weak-light phase locking for LISA. 2005 , 22, S243-S247	21
1639	Status of Virgo. 2005 , 22, S869-S880	52
1638	Geophysical studies with laser-beam detectors of gravitational waves. 2005 , 22, 245-269	8
1637	Ultracold neutral plasma expansion in two dimensions. 2005 , 12, 123501	25
1636	Test of constancy of speed of light with rotating cryogenic optical resonators. 2005 , 71,	92
1635	Long-term stabilization of the length of an optical reference cavity. 2005 , 76, 123101	7
1634	Lifetime measurement of the metastable $4dD5/2$ state in Sr+88 using a single trapped ion. 2005 , 72,	27
1633	Two-photon photoionization of the Ca $4s3dD21$ level in an optical dipole trap. 2005 , 71,	2
1632	Calcium optical frequency standard with ultracold atoms: Approaching 10^{-15} relative uncertainty. 2005 , 72,	77
1631	Test of the isotropy of the speed of light using a continuously rotating optical resonator. 2005 , 95, 150401	80
1630	High-precision wavelength-flexible frequency division for metrology. 2005 , 71,	12
1629	Absolute frequency measurements of $1.55 \mu\text{m}$ diode laser acetylene standards.	
1628	Digital control of Fabry-Pérot interferometers.	
1627	Cavity-enhanced spectroscopy using pump-probe differencing. 2005 ,	
1626	Optical frequency standards. 2005 , 42, S125-S137	83
1625	Development of a high-power light source for large-scale cryogenic gravitational wave telescope (LCGT). 2005 ,	

1624	Simple and compact Hz-level linewidth laser system via improved mounting configuration of a reference cavity. 2005,	0
1623	Experimental demonstration of in-loop intracavity intensity-noise suppression. 2005, 41, 434-440	5
1622	Locking lasers with large FM noise to high Q cavities.	
1621	Single Ca/ ⁺ ion trapping toward precise frequency measurement of the $4\text{S}/2\text{S}/1/2^- - 3\text{D}/5/2^-$ transition.	
1620	Diode-pumped Nd:YAG master oscillator power amplifier with high pulse energy, excellent beam quality, and frequency-stabilized master oscillator as a basis for a next-generation lidar system. 2005, 44, 582-90	47
1619	Power-recycled resonant sideband extraction interferometer with polarization detection. 2005, 44, 3413-24	
1618	Wavelength references for interferometry in air. 2005, 44, 7793-801	20
1617	Development of a 756 nm, 3 W injection-locked cw Ti:sapphire laser. 2005, 44, 7810-3	9
1616	Phase-sensitive interrogation of fiber Bragg grating resonators for sensing applications. 2005, 23, 1881-1889	46
1615	Fabry-Perot metrology for displacements up to 50 mm. 2005, 22, 2786-98	53
1614	Quantum noise measurements in a continuous-wave laser-diode-pumped Nd:YAG saturated amplifier. 2005, 30, 1195-7	5
1613	Pump-probe differencing technique for cavity-enhanced, noise-canceling saturation laser spectroscopy. 2005, 30, 1219-21	4
1612	Simultaneous experimental generation of vacuum squeezing and bright amplitude squeezing from a frequency doubler. 2005, 30, 1491-3	2
1611	Common-mode-free frequency comparison of lasers with relative frequency stability at the millihertz level. 2005, 30, 1662-4	7
1610	Simple and compact 1-Hz laser system via an improved mounting configuration of a reference cavity. 2005, 30, 1815-7	152
1609	Demonstration of a passive subpicostrain fiber strain sensor. 2005, 30, 1923-5	81
1608	100 W, single-frequency operation of an injection-locked Nd:YAG laser. 2005, 30, 2110-2	27
1607	Locking lasers with large FM noise to high-Q cavities. 2005, 30, 3317-9	7

1606	Generation of terahertz radiation by photomixing with dual- and multiple-mode lasers. 2005 , 20, S151-S163	94
1605	Applications of Ultrafast Lasers. 2005 , 333-354	4
1604	Experimental demonstration of efficient and selective population transfer and qubit distillation in a rare-earth-metal-ion-doped crystal. 2005 , 71,	87
1603	Simultaneous optical comb frequency stabilization and super-mode noise suppression of harmonically mode-locked semiconductor ring laser using an intracavity etalon. 2005 , 17, 199-201	61
1602	Automated high-resolution frequency-stabilized cavity ring-down absorption spectrometer. 2005 , 76, 023112	73
1601	Optical measurement of cell membrane tension. 2006 , 97, 218101	148
1600	Interrogation of FBG-based strain sensors by means of laser radio-frequency modulation techniques. 2006 , 8, S507-S513	12
1599	Optical Frequency Standard Based on Ballistic Ca Atoms. 2006 ,	
1598	High reflectivity high-Q micromechanical Bragg mirror. 2006 , 89, 223101	25
1597	Enhancement resonators for frequency combs. 2006 ,	
1596	7dB quadrature squeezing at 860nm with periodically poled KTiOPO4. 2006 , 89, 061116	75
1595	Embedded Model Control: Application to Interferometric Metrology Lines. 2006 ,	
1594	Progress Toward an Optical Frequency Standard Based on a Single Indium Ion. 2006 ,	2
1593	Phase locking of a frequency agile laser. 2006 , 89, 261115	23
1592	Absorptive and dispersive properties in the phase-sensitive optical parametric amplification inside a cavity. 2006 , 73,	9
1591	Semiconductor laser under resonant feedback from a Fabry-Perot resonator: Stability of continuous-wave operation. 2006 , 73, 046205	36
1590	Hybrid apparatus for Bose-Einstein condensation and cavity quantum electrodynamics: Single atom detection in quantum degenerate gases. 2006 , 77, 063118	40
1589	Reduction of the Linewidth of a Diode Laser by Locking to a High-Finesse Fabry-Perot Cavity. 2006 , 23, 1777-1779	1

1588	Carrier mode selective working point and side band imbalance in LIGO I. 2006 , 73,	2
1587	Measurement of the sixth overtone band of nitric oxide, and its dipole moment function, using cavity-enhanced frequency modulation spectroscopy. 2006 , 124, 084311	35
1586	Detecting magnetically guided atoms with an optical cavity. 2006 , 31, 268-70	31
1585	Diode laser with 1 Hz linewidth. 2006 , 31, 736-8	94
1584	Generation of a squeezed vacuum resonant on a rubidium D1 line with periodically poled KTiOPO4. 2006 , 31, 2344-6	44
1583	Laser-locked, high-repetition-rate cavity ringdown spectrometer. 2006 , 23, 727	38
1582	Accurate absolute frequencies of the $\nu_1 + \nu_3$ band of $^{13}\text{C}_2\text{H}_2$ determined using an infrared mode-locked Cr:YAG laser frequency comb. 2006 , 23, 741	23
1581	Intensity noise of an injection-locked Ti:sapphire laser: analysis of the phase-noise-to-amplitude-noise conversion. 2006 , 23, 1276	7
1580	Accurate absolute reference frequencies from 1511 to 1545 nm of the $\nu_1 + \nu_3$ band of $^{12}\text{C}_2\text{H}_2$ determined with laser frequency comb interval measurements. 2006 , 23, 2200	39
1579	Broadband radio-frequency spectrum analysis in spectral-hole-burning media. 2006 , 45, 6393-408	21
1578	Optical frequency combs from semiconductor lasers and applications in ultrawideband signal processing and communications. 2006 , 24, 2701-2719	152
1577	Generation of Squeezing in Higher Order Hermite - Gaussian Modes with an Optical Parametric Amplifier. 2006 , 1,	26
1576	Test of Lorentz Invariance Using a Continuously Rotating Optical Resonator. 2006 , 385-400	5
1575	Active vibration isolation using a Suspension Point Interferometer. 2006 , 32, 451-456	0
1574	Noise-cancelled, cavity-enhanced saturation laser spectroscopy for laser frequency stabilisation. 2006 , 32, 161-166	
1573	Development of a 100-W, single-frequency Nd:YAG laser for large-scale cryogenic gravitational wave telescope. 2006 , 32, 276-281	
1572	Diagonalizing sensing matrix of broadband RSE. 2006 , 32, 470-475	1
1571	Development of a radiation pressure noise interferometer. 2006 , 32, 327-332	1

1570	High repetition rate cavity ringdown spectroscopy of vibrational overtones of H ₁₃ C ₁₃ CH at around 12 200 cm ⁻¹ . 2006 , 424, 7-11	4
1569	Design study of an optical cavity for a future photon collider at ILC. 2006 , 564, 212-224	16
1568	Studies for a photon collider at the ILC. 2006 , 564, 243-261	11
1567	Multiple frequency stabilization of lasers using double saturation spectroscopy. 2006 , 259, 242-250	8
1566	Measurements of ¹⁴ NH ₃ in the $\nu = 1$ state by a solid-state, photomixing, THz spectrometer, and a simultaneous analysis of the microwave, terahertz, and infrared transitions between the ground and ν inversion-rotation levels. 2006 , 236, 116-126	39
1565	Laser sources for precision spectroscopy on atomic strontium. 2006 , 63, 981-6	17
1564	Frequency-stabilized seed laser system for dial applications around 0.94 μ m. 2006 , 44, 677-686	1
1563	Active vibration suppression in a suspended Fabry-Pérot cavity. 2006 , 45, 329-46	6
1562	Amplitude and frequency noise sensitivities of optical frequency discriminators based on Fabry-Pérot interferometers and the frequency modulation technique. 2006 , 77, 123106	2
1561	On measuring birefringences and dichroisms using Fabry-Pérot cavities. 2006 , 83, 571-577	21
1560	Vibration-insensitive reference cavity for an ultra-narrow-linewidth laser. 2006 , 83, 531-536	94
1559	Optical fibers with interferometric path length stability by controlled heating for transmission of optical signals and as components in frequency standards. 2006 , 84, 401-408	3
1558	Intensity and frequency noise reduction of a Nd:YAG NPRO via pump light stabilisation. 2006 , 85, 79-84	7
1557	Length Sensing and Control in the Virgo Gravitational Wave Interferometer. 2006 , 55, 1985-1995	3
1556	Defining and measuring optical frequencies: the optical clock opportunity--and more (Nobel lecture). 2006 , 7, 2242-58	19
1555	A Precision Test of the Isotropy of the Speed of Light Using Rotating Cryogenic Optical Cavities. 2006 , 401-415	
1554	Magnetic trapping of buffer-gas-cooled chromium atoms and prospects for the extension to paramagnetic molecules. 2006 , 39, S1111-S1123	15
1553	Experimental investigation of dynamic photo-thermal effect. 2006 , 23, S259-S266	7

1552	Control sideband generation for dual-recycled laser interferometric gravitational wave detectors. 2006 , 23, 5661-5666	2
1551	The LISA benchtop simulator at the University of Florida. 2006 , 23, S751-S760	10
1550	The variable finesse locking technique. 2006 , 23, S85-S89	19
1549	Laser development for LISA. 2006 , 23, S151-S158	2
1548	Status of the Australian Consortium for Interferometric Gravitational Astronomy. 2006 , 23, S41-S49	14
1547	The status of VIRGO. 2006 , 23, S63-S69	79
1546	A new topology for the control of complex interferometers. 2006 , 23, S267-S275	4
1545	High-efficiency interaction-free measurements using a stabilized Fabry-Pérot cavity. 2006 , 39, 3177-3183	6
1544	High-precision measurement of free spectral range of etalon. 2006 , 42, 715	11
1543	⁸⁸ Sr ⁺ Single-Ion Optical Frequency Standard. 2006 ,	2
1542	Design and construction of an efficient electro-optic modulator for laser spectroscopy. 2006 , 84, 775-786	1
1541	Molecular-optic modulator. 2006 , 88, 074101	10
1540	Compact solid-state laser source for ¹ S ₀ S spectroscopy in atomic hydrogen. 2006 , 73,	15
1539	Accurate optical lattice clock with ⁸⁷ Sr atoms. 2006 , 97, 130801	91
1538	Dynamic Stark effect and forbidden-transition spectral line shapes. 2006 , 73,	29
1537	Digital control of interferometric metrology lines. 2006 ,	2
1536	Transformable optical dipole trap using a phase-modulated standing wave. 2006 , 74,	3
1535	Observation by two-photon laser spectroscopy of the 4d ¹⁰ 5s ¹ 0 ₂ ->4d ⁹ 5s ² D _{5/2} clock transition in atomic silver. 2006 , 74,	23

1534	Time-gated Einstein-Podolsky-Rosen correlation. 2006 , 74,	29
1533	Vibration-induced elastic deformation of Fabry-Perot cavities. 2006 , 74,	80
1532	Population transfer via stimulated Raman adiabatic passage in a solid. 2006 , 74,	35
1531	Noninvasive measurements of cavity parameters by use of squeezed vacuum. 2006 , 74,	3
1530	Optical response of a misaligned and suspended Fabry-Perot cavity. 2006 , 74,	2
1529	Experimental evidence for an optical spring. 2006 , 74,	17
1528	Nobel Lecture: Defining and measuring optical frequencies*. 2006 , 78, 1279-1295	336
1527	Simultaneous magneto-optical trapping of bosonic and fermionic chromium atoms. 2006 , 73,	31
1526	LASER COOLING AND TRAPPING OF ATOMIC STRONTIUM FOR ULTRACOLD ATOMS PHYSICS, HIGH-PRECISION SPECTROSCOPY AND QUANTUM SENSORS. 2006 , 20, 1287-1320	18
1525	Q & A EXPERIMENT TO SEARCH FOR VACUUM DICHROISM, PSEUDOSCALAR PHOTON INTERACTION AND MILLICHARGED FERMIONS. 2007 , 22, 2815-2831	70
1524	Stable Laser System for Probing the Clock Transition at 578 nm in Neutral Ytterbium. 2007 ,	5
1523	The quantum noise limits to simultaneous intensity and frequency stabilization of solid-state lasers. 2007 ,	
1522	Wavelength locked loops for optical communication networks. 2007 ,	
1521	Phase-locked scanning interferometer for frequency stabilization of multiple lasers. 2007 , 78, 123103	4
1520	Novel sensing and control schemes for a three-mirror coupled cavity. 2007 , 24, 3825-3836	7
1519	Squeezed light for bandwidth-limited atom optics experiments at the rubidium D1 line. 2007 , 40, 221-226	48
1518	Generation of a dipolar Bose-Einstein condensate. 2007 , 40, R91-R134	54
1517	Stabilized Optical Frequency Comb Source for Coherent Communication and Signal Processing. 2007 ,	1

1516	Frequency Stabilized Low Timing Jitter Mode-Locked Laser with an Intracavity Etalon. 2007,	2
1515	Shot Noise Limited Fiber Laser Source by Frequency Locking to a Fiber Ring Cavity. 2007,	
1514	Fiber Laser Mode Cleaning by Frequency Locking to a Fiber Ring Cavity. 2007,	
1513	Optical frequency self stabilization in a coupled optoelectronic oscillator. 2007,	1
1512	The Quantum Noise Limits to Simultaneous Intensity and Frequency Stabilization of Solid-State Lasers. 2007,	
1511	Quasi-Fourier-transform limited, scannable, high energy titanium-sapphire laser source for high resolution spectroscopy. 2007, 78, 033102	19
1510	Quantum noise limits to simultaneous quadrature amplitude and phase stabilization of solid-state lasers. 2007, 75,	2
1509	Laser frequency offset locking using electromagnetically induced transparency. 2007, 90, 171120	43
1508	Manipulation and detection of a trapped Yb+ hyperfine qubit. 2007, 76,	280
1507	Optical clock with millihertz linewidth based on a phase-matching effect. 2007, 98, 050801	24
1506	Feedback phase sensitivity of a semiconductor laser subject to filtered optical feedback: experiment and theory. 2007, 76, 026212	11
1505	Coating-free mirrors for high precision interferometric experiments. 2007, 76,	11
1504	Decreased vibrational susceptibility of FabryPerot cavities via designs of geometry and structural support. 2007, 16, 1374-1384	4
1503	Atomic Processing of Optically Carried RF Signals. 2007, 549-613	3
1502	Design of diode-pumped dual-frequency Nd:YAG green laser with large frequency difference for absolute-distance interferometry. 2007, 48, 1482-1487	1
1501	Observation of twin beam correlations and quadrature entanglement by frequency doubling in a two-port resonator. 2007, 78, 40004	2
1500	Second-harmonic generation of light at 544 and 272 nm from an ytterbium-doped distributed-feedback fiber laser. 2007, 32, 268-70	17
1499	Active stabilization of a rapidly chirped laser by an optoelectronic digital servo-loop control. 2007, 32, 484-6	20

1498	Compact, thermal-noise-limited optical cavity for diode laser stabilization at 1×10^{-15} . 2007 , 32, 641-3	234
1497	Two-photon frequency comb spectroscopy of the 6s-8s transition in cesium. 2007 , 32, 701-3	77
1496	High-efficiency blue-light generation with a ring cavity with periodically poled KTP. 2007 , 24, 576	37
1495	Whispering-gallery-mode resonators as frequency references I Fundamental limitations. 2007 , 24, 1324	106
1494	Measurement of acetylene-d absorption lines with a self-referenced fiber laser frequency comb. 2007 , 24, 2727	11
1493	Effects of mode degeneracy in the LIGO Livingston Observatory recycling cavity. 2007 , 24, 2821	26
1492	Accurate measurement method of Fabry-Perot cavity parameters via optical transfer function. 2007 , 46, 2611-4	9
1491	Technical limitations to homodyne detection at audio frequencies. 2007 , 46, 3389-95	19
1490	Measurement of the optical parameters of the Virgo interferometer. 2007 , 46, 3466-84	12
1489	High-extinction-ratio resonant cavity polarizer for quantum-optics measurements. 2007 , 46, 3850-5	14
1488	. 2007 , 54, 848-857	8
1487	Towards an Optical Lattice Clock Based on Neutral Mercury. 2007 ,	1
1486	Lasers and Coherent Light Sources. 2007 , 583-936	4
1485	Optical dilution and feedback cooling of a gram-scale oscillator to 6.9 mK. 2007 , 99, 160801	163
1484	External Cavity Diode Laser Frequency Control Using FM Sideband Technique with Acousto - Optical Modulator as an External Phase Modulator. 2007 ,	1
1483	Wavelength-tunable CW optical parametric oscillator for calibration of Si and InGaAs photodiodes. 2007 ,	
1482	Black-Box Identification of a Grating-Stabilized External-Cavity Diode Laser. 2007 ,	
1481	Absolute Frequency Shifts of Stabilized Nd:YAG Lasers - a Question of Iodine Cell Technology. 2007	

1480	Laser beam quality and pointing measurement with an optical resonator. 2007 , 78, 073103	59
1479	Jitter reduction of the 729 nm clock laser for a Ca ⁺ optical frequency standard. 2007 ,	1
1478	Ultracold 88Sr atoms for an optical lattice clock. 2007 ,	1
1477	The Real-time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. 2007 ,	0
1476	Progress toward a single indium ion optical frequency standard. 2007 ,	1
1475	Resonantly Enhanced Axion-Photon Regeneration. 2007 , 98,	82
1474	Laser locked cavity ringdown spectroscopy of the (31-) local mode band system of H 13 C 13CH. 2007 , 105, 807-813	
1473	Diagonalization of the length sensing matrix of a dual recycled laser interferometer gravitational wave antenna. 2007 , 75,	9
1472	Digital Control of Interferometric Metrology Lines. 2007 , 13, 398-415	6
1471	Using a Passive Fiber Ring Cavity to Generate Shot-Noise-Limited Laser Light for Low-Power Quantum Optics Applications. 2007 , 19, 1063-1065	7
1470	Experimental preparation of quadripartite cluster and Greenberger-Horne-Zeilinger entangled states for continuous variables. 2007 , 98, 070502	203
1469	Absolute frequency measurement and high resolution spectroscopy of 115In+ 5s2 1S0B5p 3P0 narrowline transition. 2007 , 273, 526-531	37
1468	The Virgo interferometric gravitational antenna. 2007 , 45, 478-487	7
1467	Optical metrology for massive detectors of gravitational waves. 2007 , 45, 471-477	1
1466	Laser frequency stabilization at 1.5 microns using ultranarrow inhomogeneous absorption profiles in Er ³⁺ :LiYF ₄ . 2007 , 127, 83-88	9
1465	All Solid-State High-Efficiency Tunable UV Source for Airborne or Satellite-Based Ozone DIAL Systems. 2007 , 13, 721-731	10
1464	The NPL Rydberg Constant Experiment. 2007 , 56, 331-335	10
1463	Improved absolute frequency measurement of the 115In+ 5s 2 1 S 0-5s5p 3 P 0 narrowline transition: Progress towards an optical frequency standard. 2007 , 17, 1017-1024	4

1462	Observation of coherent population transfer in a four-level tripod system with a rare-earth-metal-ion-doped crystal. 2007 , 75,	34
1461	Absolute frequency and isotope shift measurements of the cooling transition in singly ionized indium. 2007 , 44, 307-311	6
1460	Influence of lasers propagation delay on the sensitivity of atom interferometers. 2007 , 44, 419-425	27
1459	Efficient noise suppression of an amplified diode-laser by optical filtering and resonant optical feedback. 2007 , 86, 643-646	10
1458	Narrow linewidth light source for an ultraviolet optical frequency standard. 2007 , 87, 227-232	11
1457	Non-tilting out-of-plane mode high-Q mechanical silicon oscillator as a moving cavity mirror. 2007 , 88, 417-423	2
1456	A diode laser system for spectroscopy of the ultranarrow transition in ytterbium atoms. 2008 , 91, 57-60	15
1455	Frequency-stabilized Nd:YVO4 thin-disk laser. 2008 , 91, 29-33	4
1454	Noise-immune cavity-enhanced optical heterodyne molecular spectroscopy: Current status and future potential. 2008 , 92, 313-326	99
1453	Optimum parameters for sideband cooling of a 40Ca^+ ion. 2008 , 93, 381-388	3
1452	Highly coherent spectroscopy of ultracold atoms and molecules in optical lattices. 2008 , 9, 375-82	9
1451	Differential cavity mode spectroscopy: A new cavity enhanced technique for the detection of weak transitions. 2008 , 372, 4650-4653	1
1450	Efficient cw violet-light generation in a ring cavity with a periodically poled KTP. 2008 , 281, 4114-4117	12
1449	Lock acquisition of the Virgo gravitational wave detector. 2008 , 30, 29-38	13
1448	Ultracold strontium clock: Applications to the measurement of fundamental constant variations. 2008 , 163, 9-18	4
1447	Recent atomic clock comparisons at NIST. 2008 , 163, 19-35	17
1446	Stable diode lasers for hydrogen precision spectroscopy. 2008 , 163, 89-94	4
1445	Frequency-stable Nd:YAG lasers in Michelson [Morley] experiment. 2008 , 44, 8-14	

1444	Chasing gravitational waves. 2008 , 2, 582-585	6
1443	A quantum-enhanced prototype gravitational-wave detector. 2008 , 4, 472-476	223
1442	Tunable optical frequency comb with a crystalline whispering gallery mode resonator. 2008 , 101, 093902	246
1441	Cooling of a Gram-Scale Cantilever Flexure to 70 mK with a Servo-Modified Optical Spring. 2008 , 100, 010801	44
1440	Semiconductor laser with the subhertz linewidth. 2008 , 38, 895-902	2
1439	The conversion of phase to amplitude fluctuations of a light beam by an optical cavity. 2008 , 76, 922-929	20
1438	Invited article: design techniques and noise properties of ultrastable cryogenically cooled sapphire-dielectric resonator oscillators. 2008 , 79, 051301	74
1437	Measurement of the comb dynamics for feedback control of an etalon-based coupled optoelectronic oscillator. 2008 , 33, 1422-4	3
1436	Optical ac coupling to overcome limitations in the detection of optical power fluctuations. 2008 , 33, 1509-11	16
1435	Electromagnetically induced transparency-like effect in the degenerate triple-resonant optical parametric amplifier. 2008 , 33, 1911-3	8
1434	Observation of time correlation function of multimode two-photon pairs on a rubidium D2 line. 2008 , 33, 2191-3	24
1433	High-accuracy absolute distance measurement using frequency comb referenced multiwavelength source. 2008 , 47, 2715-20	95
1432	Modal frequency degeneracy in thermally loaded optical resonators. 2008 , 47, 2840-51	9
1431	Optical beating of polychromatic light and its impact on time-resolved spectroscopy. Part II: Strategies for spectroscopic sensing in the presence of optical beating. 2008 , 62, 230-7	8
1430	Self-Stabilization of the Optical Frequencies and the Pulse Repetition Rate in a Coupled Optoelectronic Oscillator. 2008 , 26, 2571-2577	26
1429	Doppler-broadened noise-immune cavity-enhanced optical heterodyne molecular spectrometry signals from optically saturated transitions under low pressure conditions. 2008 , 25, 1156	29
1428	High-stability transfer of an optical frequency over long fiber-optic links. 2008 , 25, 1284	206
1427	Low-frequency-noise diode laser for atom interferometry. 2008 , 25, 1632	18

1426	Long-distance frequency transfer over an urban fiber link using optical phase stabilization. 2008 , 25, 2029	98
1425	Using active resonator impedance matching for shot-noise limited, cavity enhanced amplitude modulated laser absorption spectroscopy. 2008 , 16, 7726-38	13
1424	Characterization of fiber-laser-based sub-Doppler NICE-OHMS for quantitative trace gas detection. 2008 , 16, 14689-702	38
1423	Feedback control of an atom laser. 2008 , 16, 14716-22	1
1422	Laser frequency stabilization and control through offset sideband locking to optical cavities. 2008 , 16, 15980-90	61
1421	Stable confinement of nanosecond laser pulse in an enhancement cavity. 2008 , 16, 18667-74	3
1420	Laser Stabilization on a Fiber Ring Resonator and Application to RF Filtering. 2008 , 20, 1399-1401	16
1419	Frequency-Doubled Fiber Lasers for RF Spectrum Analysis in Spectral-Hole-Burning Media. 2008 , 44, 587-594	3
1418	Subhertz linewidth diode lasers by stabilization to vibrationally and thermally compensated ultralow-expansion glass Fabry-Pérot cavities. 2008 , 77,	175
1417	Microwave Filtering Using High Q Optical Resonators. 2008 ,	5
1416	High harmonic frequency combs for high resolution spectroscopy. 2008 , 100, 253901	94
1415	The search for gravitational waves. 2008 ,	
1414	Development of an ytterbium optical lattice clock at KRISS. 2008 ,	
1413	Phase-Sensitive Detection for Lossy Ring and Cavity-based Sensors. 2008 ,	
1412	Raman amplification of continuous-wave laser emission in hydrogen-filled hollow-core photonic crystal fiber. 2008 ,	
1411	Practical performance limits on optical frequency transfer over fiber optic links. 2008 ,	
1410	The Real-Time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. 2008 , 55, 302-310	4
1409	Direct frequency comb spectroscopy. 2008 , 55, 1-60	70

1408	Modified Pound-Drever-Hall scheme for high-precision free spectral range measurement of Fabry-Perot etalon. 2008 , 44, 927	11
1407	Feedback control of thermal lensing in a high optical power cavity. 2008 , 79, 104501	5
1406	Albedo Measurements and Optical Sizing of Single Aerosol Particles. 2008 , 42, 958-969	19
1405	Stabilized lasers for advanced gravitational wave detectors. 2008 , 25, 114040	39
1404	Two-hertz-linewidth Nd:YAG lasers at 1064 nm stabilized to vertically mounted ultra-stable cavities. 2008 , 17, 2152-2155	5
1403	The Virgo 3 km interferometer for gravitational wave detection. 2008 , 10, 064009	29
1402	Space-based gravitational wave detection with LISA. 2008 , 25, 114012	23
1401	LabVIEW-based laser frequency stabilization system with phase-sensitive detection servo loop for Doppler LIDAR applications. 2008 , 47, 114201	5
1400	Narrow-Line and Frequency Tunable Diode Laser System for S_D Transition of Ca ⁺ Ions. 2008 , 47, 6327-6332	12
1399	Controlled insertion and retrieval of atoms coupled to a high-finesse optical resonator. 2008 , 10, 073023	54
1398	Experimental investigation of a control scheme for a zero-detuning resonant sideband extraction interferometer for next-generation gravitational-wave detectors. 2008 , 25, 195008	5
1397	Techniques in the optimization of length sensing and control systems for a three-mirror coupled cavity. 2008 , 25, 235003	
1396	Direct stabilization of femtosecond laser frequency comb to high-finesse optical cavity. 2008 ,	
1395	Fiber Lasers for Frequency Standards in Optical Communications. 2008 ,	
1394	Search for a stochastic background of 100-MHz gravitational waves with laser interferometers. 2008 , 101, 101101	52
1393	Absolute frequency measurement of the magnesium intercombination transition $S_{01} \rightarrow P_{13}$. 2008 , 78,	23
1392	Pulsed excitation of a whispering gallery resonator. 2008 ,	
1391	De Gruyter. 2008 , 8,	4

1390	Highly Sensitive Method for Trace Gas Analysis. 2008 , 57, 715-740	2
1389	Development of Electrooptic Modulator for Advanced Ground-Based Gravitational Wave Telescopes Using Stoichiometric MgO-Doped LiNbO ₃ Crystals. 2008 , 1, 012005	5
1388	Quasi-static fiber strain sensing with FM spectroscopy. 2008 ,	
1387	Recent progress of TAMA300. 2008 , 120, 032010	8
1386	Development of a detector pair for very high frequency gravitational waves. 2008 , 122, 012007	3
1385	Pound-Drever-Hall frequency stabilization of Q-switched solid state laser oscillators in the Sub-MHz range. 2008 ,	
1384	Mode discrimination in injection locked high-power single-frequency lasers. 2008 ,	
1383	Wideband Frequency Stabilization of a 100-W Injection-Locked Nd:YAG Laser Using an External Electrooptic Modulator. 2008 , 1, 092601	3
1382	Resonant two-beam interferometric sensor independent of intracavity losses. 2009 , 4,	
1381	Spectroscopic Sensing at the Quantum Limit by Active Cavity Impedance Matching. 2009 ,	
1380	Radiation pressure excitation and cooling of a cryogenic micro-mechanical systems cavity. 2009 , 106, 013108	5
1379	Some aspects of simulation and realization of an optical reference cavity. 2009 , 80,	9
1378	Strong reduction of laser power noise by means of a Kerr nonlinear cavity. 2009 , 80,	10
1377	Optical frequency stabilized coupled optoelectronic oscillator. 2009 ,	1
1376	Optical absorption spectrometry using Laser amplitude modulation. 2009 ,	
1375	Rotating optical cavity experiment testing Lorentz invariance at the 10 ⁻¹⁷ level. 2009 , 80,	110
1374	Ultrastable lasers based on vibration insensitive cavities. 2009 , 79,	127
1373	High precision frequency stabilization of an injection seeded Q-switched Nd:YAG ring oscillator thought for LIDAR-applications. 2009 ,	0

1372	Single-mode operation of a high-brightness narrow-band single-photon source. 2009 , 94, 201105	32
1371	Back ground gas induced collision shift for 88Sr: 1S0-3P1 transition. 2009 ,	
1370	Opto-electro-mechanical based locking technique. 2009 ,	
1369	Full characterization of Gaussian bipartite entangled states by a single homodyne detector. 2009 , 102, 020502	89
1368	Frequency measurement of the $S_{21/2}E_{27/2}$ electric octupole transition in a single Y171b+ ion. 2009 , 79,	46
1367	Laser with an in-loop relative frequency stability of 1.0×10^{-11} on a 100-ms time scale for gravitational-wave detection. 2009 , 79,	6
1366	Ultra Low Frequency Noise Laser Stabilized On Optical Fiber Spool. 2009 ,	
1365	Semiconductor based optical frequency comb source with optical linewidth $\ll 1$ kHz. 2009 ,	
1364	Higher harmonic detection employing wavelength modulation spectroscopy and near infrared diode lasers: An undergraduate experiment. 2009 , 77, 821-825	2
1363	. 2009 ,	5
1362	Vibration insensitive optical ring cavity. 2009 , 18, 2334-2339	1
1361	Measurement of air-refractive-index fluctuation from laser frequency shift with uncertainty of order 10^{-9} . 2009 , 20, 125302	13
1360	Frequency-tunable pre-stabilized lasers for LISA via sideband locking. 2009 , 26, 094016	12
1359	One and Two Photon Excitation of Radiofrequency Trapped Ca+. 2009 , 22, 119-122	
1358	DECIGO pathfinder. 2009 , 26, 094019	13
1357	Injection seeded high precision frequency stabilization for Q-switched solid state oscillators in LIDAR-applications. 2009 ,	
1356	Frequency locking of an optical cavity using linear-quadratic Gaussian integral control. 2009 , 42, 175501	26
1355	Status of Japanese gravitational wave detectors. 2009 , 26, 204020	23

1354	Saturated absorption spectroscopy of calcium in a hollow-cathode lamp. 2009 , 42, 165001	15
1353	Deceleration of molecules by dipole force potential: a numerical simulation. 2009 , 11, 055023	14
1352	Absolute frequency measurements on the 2S->3S transition of lithium-6,7. 2009 , 11, 073016	21
1351	Frequency metrology and clocks. 2009 , 42, 154017	39
1350	Narrow band noise rejection technique for laser frequency and length standards: application to frequency stabilization to I2lines near dissociation limit at 501.7 nm. 2009 , 46, 599-606	6
1349	Absolute frequency shifts of iodine cells for laser stabilization. 2009 , 46, 450-456	20
1348	Interrogation Laser for a Strontium Lattice Clock. 2009 , 58, 1252-1257	12
1347	Single-frequency linear cavity erbium-doped fiber laser for fiber-optic sensing applications. 2009 , 6, 594-597	42
1346	Frequency stabilization of a Q-switched Nd:YAG laser oscillator with stability better 300kHz following an rf-sideband scheme. 2009 , 282, 3302-3307	8
1345	Testing the Stability of the Fine Structure Constant in the Laboratory. 2009 , 148, 267-288	1
1344	A narrow linewidth and frequency-stable probe laser source for the 88Sr+ single ion optical frequency standard. 2009 , 95, 43-54	39
1343	Raman spectroscopy of a single ion coupled to a high-finesse cavity. 2009 , 95, 205-212	31
1342	Birefringence of interferential mirrors at normal incidence. 2009 , 97, 457-463	23
1341	High finesse FabryPerot cavities in picosecond regime. 2009 , 608, S75-S77	7
1340	Resonant laser power build-up in ALPSA light shining through a wall experiment. 2009 , 612, 83-96	56
1339	Stabilization of a non-planar optical cavity using its polarization property. 2009 , 282, 3108-3112	22
1338	2-photon ionization for efficient seeding and trapping of strontium ions. 2009 , 54, 683-691	5
1337	Optical lattice clocks. 2009 , 172, 81-96	26

1336	Trapped ion optical clocks. 2009 , 172, 97-107	17
1335	LIGO: the Laser Interferometer Gravitational-Wave Observatory. 2009 , 72, 076901	822
1334	Performance of arm locking in LISA. 2009 , 80,	18
1333	Harmonically mode-locked semiconductor-based lasers as high repetition rate ultralow noise pulse train and optical frequency comb sources. 2009 , 11, 103001	52
1332	High resolution determination of radii of curvature using FabryPerot interferometry. 2009 , 20, 045302	7
1331	Resonator-enhanced optical guiding and trapping of Cs atoms. 2009 , 34, 169-71	10
1330	Characterization of the absolute frequency stability of an individual reference cavity. 2009 , 34, 190-2	6
1329	Ultralow-frequency-noise stabilization of a laser by locking to an optical fiber-delay line. 2009 , 34, 914-6	83
1328	Displacement metrology directly linked to a time standard using an optical-frequency-comb generator. 2009 , 34, 1540-2	8
1327	Homodyne locking of a squeezer. 2009 , 34, 2465-7	9
1326	Absolute frequency stabilization of an extended-cavity diode laser against Doppler-free H(2)O17 absorption lines at 1.384 microm. 2009 , 34, 3107-9	23
1325	Experimental demonstration of a suspended diffractively coupled optical cavity. 2009 , 34, 3184-6	7
1324	Ultrabroadband optical chirp linearization for precision metrology applications. 2009 , 34, 3692-4	85
1323	Frequency stabilization and actuator characterization of an ytterbium-doped distributed-feedback fiber laser for LISA. 2009 , 26, 1137	8
1322	Demonstration of a cavity coupler based on a resonant waveguide grating. 2009 , 17, 163-9	19
1321	Picometer level displacement metrology with digitally enhanced heterodyne interferometry. 2009 , 17, 828-37	35
1320	Vacuum squeezed light for atomic memories at the D2 cesium line. 2009 , 17, 3777-81	25
1319	Nanosecond terahertz optical parametric oscillator with a novel quasi phase matching scheme in lithium niobate. 2009 , 17, 6623-8	63

1318	A vibration-insensitive optical cavity and absolute determination of its ultrahigh stability. 2009 , 17, 8970-82	23
1317	A deep-UV optical frequency comb at 205 nm. 2009 , 17, 9183-90	33
1316	Studies of saturated absorption and measurements of optical frequency for lines in the $\nu_1 + \nu_3$ and $\nu_1 + 2\nu_4$ bands of ammonia at 1.5 microm. 2009 , 17, 9258-69	16
1315	Ultra-stable, widely tunable and absolutely linked mid-IR coherent source. 2009 , 17, 9582-7	36
1314	Characterization of an external cavity diode laser based ring cavity NICE-OHMS system. 2009 , 17, 9834-9	20
1313	Pico-strain multiplexed fiber optic sensor array operating down to infra-sonic frequencies. 2009 , 17, 11077-87	27
1312	High power narrowband 589 nm frequency doubled fibre laser source. 2009 , 17, 14687-93	41
1311	10 kHz accuracy of an optical frequency reference based on $(12)\text{C}_2\text{H}_2$ -filled large-core kagome photonic crystal fibers. 2009 , 17, 16017-26	44
1310	25 W Raman-fiber-amplifier-based 589 nm laser for laser guide star. 2009 , 17, 19021-6	93
1309	A simple technique for accurate and complete characterisation of a Fabry-Perot cavity. 2009 , 17, 21935-43	12
1308	Continuous-wave 532 nm pumped MgO:PPLN optical parametric oscillator with external power regulation and spatial mode filtering. 2009 , 48, 37-42	8
1307	Thermoacoustic optical path length stabilization in a single-mode optical fiber. 2009 , 48, 704-7	2
1306	Development of a 1.6 microm differential absorption lidar with a quasi-phase-matching optical parametric oscillator and photon-counting detector for the vertical CO ₂ profile. 2009 , 48, 748-57	52
1305	Frequency characteristics of an inherently stable Nd:YAG laser operated at liquid helium temperature. 2009 , 48, 3938-42	0
1304	Laser power stabilization using optical ac coupling and its quantum and technical limits. 2009 , 48, 5423-31	11
1303	Ultra low frequency noise laser by locking to an all-fibered interferometer. 2009 ,	
1302	Buffer-gas-induced collision shift for the Sr88 S10B31 clock transition. 2009 , 80,	5
1301	kg-mass prototype demonstrator for dual gravitational wave detector: Optomechanical excitation and cooling. 2009 , 80,	2

1300	Detailed design of a resonantly enhanced axion-photon regeneration experiment. 2009 , 80,	34
1299	Sympathetic cooling by collisions with ultracold rare gas atoms, and recent progress in optical Stark deceleration. 2009 , 142, 175-90; discussion 221-55	13
1298	Compact vibration isolation and suspension for Australian International Gravitational Observatory: performance in a 72 m Fabry Perot cavity. 2009 , 80, 114501	8
1297	Identification and Control of a Grating-Stabilized External-Cavity Diode Laser. 2009 , 17, 161-166	0
1296	An Intracavity Optical Parametric Oscillator With Very High Repetition Rate and Broad Tunability Based Upon Room Temperature Periodically Poled $\text{MgO}:\text{LiNbO}_3$ With Fanned Grating Design. 2009 , 45, 256-263	7
1295	Laser frequency stabilization to excited state transitions using electromagnetically induced transparency in a cascade system. 2009 , 94, 071107	73
1294	Observation of a large atomic parity violation effect in ytterbium. 2009 , 103, 071601	132
1293	Laser interferometer for spaceborne mapping of the Earth's gravity field. 2009 , 154, 012023	16
1292	Frequency shifts of the $88\text{Sr } 1S_0 \rightarrow 3P_1$ transition induced by buffer gas collisions. 2009 , 185, 012016	
1291	Development of A Laser Source for Earth-Based Gravitational Wave Detectors. 2009 , 37, 85-89	2
1290	Application of Femtosecond Laser Frequency Combs toward Frequency Stability Measurement for DECIGO Light Source. 2009 , 37, 102-107	
1289	Nanophotonics with Microsphere Resonators. 2010 , 51-528	1
1288	Interferometer Techniques for Gravitational-Wave Detection. 2010 , 13, 1	38
1287	Highly scannable injection seeded nanosecond Ti:sapphire ring laser. 2010 , 51, 20702	9
1286	Development of An 171Yb Optical Lattice Clock. 2010 , 38, 500-504	
1285	Current-driven state-bistability and power-bistability in a DFB semiconductor laser subject to optical injection. 2010 , 20, 1957-1960	4
1284	Optical frequency measurement of the $1S_{BS}$ two-photon transition in hydrogen. 2010 , 60, 243-256	49
1283	Dysprosium magneto-optical traps. 2010 , 82,	61

1282	Coherent dual-comb spectroscopy at high signal-to-noise ratio. 2010 , 82,	161
1281	Nd:YAG lasers at 1064 nm with 1-Hz linewidth. 2010 , 98, 61-67	17
1280	An ultra-stable referenced interrogation system in the deep ultraviolet for a mercury optical lattice clock. 2010 , 99, 41-46	19
1279	Dynamical behaviour of birefringent Fabry-Perot cavities. 2010 , 100, 803-809	14
1278	Active frequency stabilization of an ultra-high Q whispering-gallery-mode microresonator. 2010 , 99, 623-627	12
1277	Frequency stabilization of multiple lasers and Rydberg atom spectroscopy. 2010 , 101, 23-31	4
1276	Quantum interference of multimode two-photon pairs with a Michelson interferometer. 2010 , 283, 551-555	1
1275	Free spectral range measurement of fabry-perot cavity using frequency modulation. 2010 , 11, 851-856	6
1274	Preparation of narrow-band photons for atomic-based quantum memory with a type-I phase matched periodical poled KTP crystal. 2010 , 5, 131-146	1
1273	Laser diode frequency stabilization with a fiber ring resonator. 2010 , 6, 380-383	2
1272	Radium ion: a candidate for measuring atomic parity violation. 2010 , 196, 261-267	6
1271	A Shot-Noise Limited Fiber Laser Source by Cascaded Passive Optical Filtering. 2010 , 46, 976-980	2
1270	Digital Laser Frequency Stabilization Using an Optical Cavity. 2010 , 46, 1178-1183	13
1269	Blue-green light generation using high brilliance edge emitting diode lasers. 2010 , 4, 633-655	28
1268	Stabilized lasers for advanced gravitational wave detectors. 2010 , 4, 780-794	16
1267	NASA lasers probe planets. 2010 , 4, 598-609	
1266	Generation of narrow-band photon pairs for quantum memory. 2010 , 283, 2974-2977	13
1265	Calibration of the LIGO gravitational wave detectors in the fifth science run. 2010 , 624, 223-240	108

1264	Precision cavity enhanced velocity modulation spectroscopy. 2010 , 501, 1-5	14
1263	A precise system for measuring weak optoacoustic perturbations. 2010 , 53, 423-429	8
1262	Gravitational modulation of the optical length of long-baseline laser interferometers. 2010 , 91, 495-499	7
1261	Cavity-enhanced dual-comb spectroscopy. 2010 , 4, 55-57	331
1260	A Frequency Stabilized Semiconductor Mode-locked Laser with a Phase Modulator and an Intra-cavity Etalon. 2010 ,	
1259	Frequency metrology in the near-infrared spectrum of H ₂ 17O and H ₂ 18O molecules: testing a new inversion method for retrieval of energy levels. 2010 , 12, 103006	18
1258	Wideband and high-gain frequency stabilization of a 100-W injection-locked Nd:YAG laser for second-generation gravitational wave detectors. 2010 , 81, 073105	4
1257	High stability Cryocooled 10 GHz oscillator for the European Space Agency. 2010 ,	1
1256	An ultra-low frequency noise agile laser. 2010 ,	
1255	Recent progress on the NRC 88Sr ⁺ single-ion optical frequency standard. 2010 ,	1
1254	ELISA: a cryocooled 10 GHz oscillator with 10 ⁻¹⁵ frequency stability. 2010 , 81, 025102	31
1253	An ultra-low frequency noise agile laser. 2010 ,	
1252	Influence of the line-shape model on the spectroscopic determination of the Boltzmann constant. 2010 , 82,	43
1251	Shot-noise-limited measurement of subparts-per-trillion birefringence phase shift in a high-finesse cavity. 2010 , 82,	34
1250	Continuous-wave light modulation at molecular frequencies. 2010 , 82,	20
1249	Hyperfine and optical barium ion qubits. 2010 , 81,	18
1248	Two-photon direct frequency comb spectroscopy with chirped pulses. 2010 , 81,	15
1247	Parity violation in atomic ytterbium: Experimental sensitivity and systematics. 2010 , 81,	29

1246	Diode-laser system for high-resolution spectroscopy of the $2S_{1/2} \rightarrow 2F_{7/2}$ octupole transition in $^{171}\text{Yb}^+$. 2010 , 81,	10
1245	Fast scanning cavity offset lock for laser frequency drift stabilization. 2010 , 81, 075109	20
1244	Direct measurement of thermal fluctuation of high-Q pendulum. 2010 , 104, 040602	10
1243	Higher-order Laguerre-Gauss mode generation and interferometry for gravitational wave detectors. 2010 , 105, 231102	59
1242	Realization of a monolithic high-reflectivity cavity mirror from a single silicon crystal. 2010 , 104, 163903	70
1241	Generation of tunable narrow bandwidth nanosecond pulses in the deep ultraviolet for efficient optical pumping and high resolution spectroscopy. 2010 , 81, 063106	25
1240	Frequency stabilization of photo-mixing generated signal using a single michelson interferometer. 2010 ,	
1239	Precision measurement of fermionic collisions using an ^{87}Sr optical lattice clock with 1×10^{-16} inaccuracy. 2010 , 57, 574-82	7
1238	A diode laser stabilization scheme for $^{40}\text{Ca}^+$ single-ion spectroscopy. 2010 , 43, 115401	14
1237	Ground-based interferometers and their science reach. 2010 , 27, 084001	7
1236	Thermal-noise-limited underground interferometer CLIO. 2010 , 27, 084022	15
1235	Experimental demonstration of a suspended, diffractively coupled FabryPerot cavity. 2010 , 27, 084029	1
1234	Gravitational-wave detector-derived error signals for the LIGO thermal compensation system. 2010 , 27, 215002	
1233	LISA long-arm interferometry. 2010 , 27, 084008	11
1232	Accurate calibration of test mass displacement in the LIGO interferometers. 2010 , 27, 084024	11
1231	Testing the suppression of opto-acoustic parametric interactions using optical feedback control. 2010 , 27, 084028	5
1230	Design of an electron microscope phase plate using a focused continuous-wave laser. 2010 , 12,	45
1229	Identification of E_{like} systems in $\text{Er}^{3+}:\text{Y}_2\text{SiO}_5$ and observation of electromagnetically induced transparency. 2010 , 81,	35

1228	Optical fiber sensing based on reflection laser spectroscopy. 2010 , 10, 1823-45	28
1227	A Semiconductor-Based 10-GHz Optical Comb Source With Sub 3-fs Shot-Noise-Limited Timing Jitter and \sim 500-Hz Comb Linewidth. 2010 , 22, 431-433	38
1226	A Novel Locking Technique for Very Narrow Tunable Optical Filters With Sub-GHz 3-dB Bandpass. 2010 , 22, 1267-1269	4
1225	Laser Locking and Cavity Manipulation With a Cavity Optoelectromechanical System. 2010 , 22, 1784-1786	1
1224	Experimental measuring of the coherence length of a single photon generated via a degenerated optical parametric oscillator far below threshold. 2010 , 57, 330-333	7
1223	Generation of continuous-wave single-frequency 1.5 W 378 nm radiation by frequency doubling of a Ti:sapphire laser. 2010 , 49, 1666-70	7
1222	High-resolution absolute frequency referenced fiber optic sensor for quasi-static strain sensing. 2010 , 49, 4029-33	41
1221	Coherent optical ultrasound detection with rare-earth ion dopants. 2010 , 49, 4331-4	7
1220	High sensitivity detection of NO ₂ employing cavity ringdown spectroscopy and an external cavity continuously tunable quantum cascade laser. 2010 , 49, 4906-14	19
1219	Expansion of linear range of Pound-Drever-Hall signal. 2010 , 49, 5217-25	2
1218	Simultaneous line center and linewidth measurement using dual frequency modulation spectroscopy. 2010 , 49, 5528-36	
1217	An agile laser with ultra-low frequency noise and high sweep linearity. 2010 , 18, 3284-97	34
1216	Experimental generation of 6 dB continuous variable entanglement from a nondegenerate optical parametric amplifier. 2010 , 18, 6149-55	44
1215	50W CW visible laser source at 589nm obtained via frequency doubling of three coherently combined narrow-band Raman fibre amplifiers. 2010 , 18, 8540-55	110
1214	Experimental demonstration of impedance match locking and control for coupled resonators. 2010 , 18, 9314-23	6
1213	Simple piezoelectric-actuated mirror with 180 kHz servo bandwidth. 2010 , 18, 9739-46	71
1212	Narrow linewidth 578 nm light generation using frequency-doubling with a waveguide PPLN pumped by an optical injection-locked diode laser. 2010 , 18, 10308-14	11
1211	Free spectral range measurement of a fiberized Fabry-Perot etalon with sub-Hz accuracy. 2010 , 18, 11264-9	13

1210	Efficient generation of highly squeezed light with periodically poled MgO:LiNbO ₃ . 2010 , 18, 13114-21	12
1209	Distributed-feedback-laser-based NICE-OHMS in the pressure-broadened regime. 2010 , 18, 18580-91	23
1208	Measurement and real-time cancellation of vibration-induced phase noise in a cavity-stabilized laser. 2010 , 18, 18744-51	18
1207	Determination of the vacuum optomechanical coupling rate using frequency noise calibration. 2010 , 18, 23236-46	94
1206	Experimental determination of intracavity losses of monolithic Fabry-Perot cavities made of Pr ³⁺ :Y ₂ SiO ₅ . 2010 , 18, 23763-75	6
1205	Production of degenerate polarization entangled photon pairs in the telecom-band from a pump enhanced parametric downconversion process. 2010 , 18, 26600-12	3
1204	A new method for locking the signal-field phase difference in a type-II optical parametric oscillator above threshold. 2010 , 18, 27858-71	1
1203	Efficient second-harmonic generation using a semiconductor tapered amplifier in a coupled ring-resonator geometry. 2010 , 35, 232-4	9
1202	Fiber-coupled, Littrow-grating cavity displacement sensor. 2010 , 35, 1260-2	7
1201	Cavity-enhanced velocity modulation spectroscopy. 2010 , 35, 1266-8	9
1200	Frequency stabilization at the kilohertz level of a continuous intracavity frequency-doubled singly resonant optical parametric oscillator. 2010 , 35, 2364-6	21
1199	In situ characterization of an optical cavity using atomic light shift. 2010 , 35, 3769-71	13
1198	A semiconductor-based, frequency-stabilized mode-locked laser using a phase modulator and an intracavity etalon. 2010 , 35, 4130-2	3
1197	Low Noise Optically Tunable Opto-Electronic Oscillator With FabryPerot Etalon. 2010 ,	21
1196	Quantum characterization of bipartite Gaussian states. 2010 , 27, A110	35
1195	Classical signature of ponderomotive squeezing in a suspended mirror resonator. 2010 , 104, 073601	35
1194	Spectroscopic test of bose-einstein statistics for photons. 2010 , 104, 253604	18
1193	Highly sensitive frequency metrology for optical anisotropy measurements. 2010 , 81, 033105	9

1192	Cavity Optomechanics with Whispering-Gallery Mode Optical Micro-Resonators. 2010 , 58, 207-323	59
1191	Optical frequency standards and clocks. 2010 , 51, 37-58	29
1190	Stable Narrow Linewidth 689 nm Diode Laser for the Second Stage Cooling and Trapping of Strontium Atoms. 2010 , 27, 074208	8
1189	High precision characterization of a high finesse fiberized etalon. 2010 ,	
1188	Measurement of angular antispring effect in optical cavity by radiation pressure. 2010 , 81,	10
1187	Demonstration of a cryocooled 10 GHz oscillator with 10^{-5} frequency stability. 2010 ,	
1186	Measurement of thermal noise in multilayer coatings with optimized layer thickness. 2010 , 81,	35
1185	Improved noise performance of a DFB fibre laser SONAR array using a frequency reference. 2010 ,	1
1184	An ultra-high-resolution large-dynamic-range fiber optic static strain sensor using Pound-Drever-Hall technique. 2011 ,	1
1183	A pump enhanced source of telecom-band correlated photon pairs. 2011 , 58, 631-639	1
1182	The vacuum magnetic birefringence experiment: a test for quantum electrodynamics This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at École de Physique, les Houches, France, 30 May - 4 June, 2010.. 2011 , 89, 153-158	16
1181	Optical frequency comb spectroscopy. 2011 , 150, 23	59
1180	Towards a first observation of magneto-electric directional anisotropy and linear birefringence in gases This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at École de Physique, les Houches, France, 30 May - 4 June, 2010.. 2011 , 89, 159-164	3
1179	Effects of mirror aberrations on Laguerre-Gaussian beams in interferometric gravitational-wave detectors. 2011 , 84,	23
1178	Carbon fiber reinforced polymer dimensional stability investigations for use on the laser interferometer space antenna mission telescope. 2011 , 82, 124501	9
1177	Magnetolectric directional nonreciprocity in gas-phase molecular nitrogen. 2011 , 106, 193003	7
1176	Pound-Drever-Hall-locked, frequency-stabilized cavity ring-down spectrometer. 2011 , 82, 063107	78
1175	Planar-waveguide external cavity laser stabilization for an optical link with 10^{-19} frequency stability. 2011 , 58, 2582-7	31

1174	A scalable, self-analyzing digital locking system for use on quantum optics experiments. 2011 , 82, 075113	17
1173	Intersatellite laser ranging with homodyne optical phase locking for Space Advanced Gravity Measurements mission. 2011 , 82, 044501	16
1172	Whispering gallery mode resonators as optical reference cavities. 2011 ,	
1171	Pound-locking for characterization of superconducting microresonators. 2011 , 82, 104706	24
1170	Thermal-noise-limited crystalline whispering-gallery-mode resonator for laser stabilization. 2011 , 84,	55
1169	Thermal calcium atom interferometer with a phase resolution of a few milliradians based on a narrow-linewidth diode laser. 2011 , 84,	2
1168	Recent developments in seismic seabed oil reservoir monitoring applications using fibre-optic sensing networks. 2011 , 22, 052001	45
1167	Noise Characterization of an Injection-Locked COEO With Long-Term Stabilization. 2011 , 29, 2906-2912	24
1166	U-Band Wavelength References Based on Photonic Bandgap Fiber Technology. 2011 , 29, 2934-2939	3
1165	Model for tuning an external-cavity diode laser by polarization locking. 2011 , 28, 508	11
1164	Dicke narrowing in the dispersion mode of detection and in noise-immune cavity-enhanced optical heterodyne molecular spectroscopy theory and experimental verification. 2011 , 28, 2390	19
1163	Reduction of background signals in fiber-based NICE-OHMS. 2011 , 28, 2797	29
1162	Active suppression of air refractive index fluctuation using a Fabry-Perot cavity and a piezoelectric volume actuator. 2011 , 50, 53-60	6
1161	Frequency stabilization of distributed-feedback laser diodes at 1572 nm for lidar measurements of atmospheric carbon dioxide. 2011 , 50, 1047-56	63
1160	Spherical reference cavities for frequency stabilization of lasers in non-laboratory environments. 2011 , 19, 3471-82	67
1159	Nonlinear estimation of ring-down time for a Fabry-Perot optical cavity. 2011 , 19, 6377-86	9
1158	The dressed atom as binary phase modulator: towards attojoule/edge optical phase-shift keying. 2011 , 19, 6478-86	8
1157	Frequency domain analysis for laser-locked cavity ringdown spectroscopy. 2011 , 19, 8092-101	13

1156	Low noise chirped pulse mode-locked laser using an intra-cavity Fabry-Pérot etalon. 2011 , 19, 8994-9	6
1155	Field-test of a robust, portable, frequency-stable laser. 2011 , 19, 10278-86	45
1154	Narrow-linewidth light source for a coherent Raman transfer of ultracold molecules. 2011 , 19, 14479-86	9
1153	Waveguide grating mirror in a fully suspended 10 meter Fabry-Perot cavity. 2011 , 19, 14955-63	12
1152	Diffractionally coupled Fabry-Perot resonator with power-recycling. 2011 , 19, 14964-75	3
1151	Generation of 578-nm yellow light over 10 mW by second harmonic generation of an 1156-nm external-cavity diode laser. 2011 , 19, 17453-61	28
1150	Sub-kHz-level relative stabilization of an intracavity doubled continuous wave optical parametric oscillator using Pound-Drever-Hall scheme. 2011 , 19, 18049-57	10
1149	Beam quality and noise properties of coherently combined ytterbium doped single frequency fiber amplifiers. 2011 , 19, 19600-6	20
1148	Microwave generation with low residual phase noise from a femtosecond fiber laser with an intracavity electro-optic modulator. 2011 , 19, 24387-95	40
1147	Remnants of semiclassical bistability in the few-photon regime of cavity QED. 2011 , 19, 24468-82	27
1146	Noise immune cavity enhanced optical heterodyne velocity modulation spectroscopy. 2011 , 19, 24822-7	25
1145	High-efficiency electro-optic amplitude modulation with delayed coherent addition. 2011 , 36, 238-40	4
1144	Balancing interferometers with slow-light elements. 2011 , 36, 933-5	2
1143	Bottle microresonator with actively stabilized evanescent coupling. 2011 , 36, 3488-90	13
1142	2 μ m semiconductor disk laser with a heterodyne linewidth below 10 kHz. 2011 , 36, 3587-9	12
1141	Cavity stabilization using the weak intrinsic birefringence of dielectric mirrors. 2011 , 36, 3720-2	9
1140	Group and phase velocity coupling of colliding pulses in a nanostructure. 2011 , 36, 3885-7	1
1139	Ultra-high-resolution large-dynamic-range optical fiber static strain sensor using Pound-Drever-Hall technique. 2011 , 36, 4044-6	46

1138	Low phase noise diode laser oscillator for 1S-2S spectroscopy in atomic hydrogen. 2011 , 36, 4299-301	15
1137	Optical-RF frequency stability transformer. 2011 , 36, 4527-9	1
1136	Evaluation of Fabry-Perot cavity length by the stabilized optical frequency comb and acetylene absorption. 2011 ,	0
1135	Rydberg atom spectroscopy enabled by blackbody radiation ionization. 2011 , 84,	4
1134	Frequency stabilization to 6×10^{-16} via spectral-hole burning. 2011 , 5, 688-693	71
1133	References. 2011 , 323-331	
1132	Development of an Ultra-Narrow Line-Width Clock Laser for Optical Frequency Standards. 2011 , 39, 847-853	
1131	Preliminary Results from Integrating Compton Photon Polarimetry in Hall A of Jefferson Lab. 2011 , 312, 052018	
1130	When should we change the definition of the second?. 2011 , 369, 4109-30	77
1129	Toward a picometer displacement-sensing interferometry for the next generation of calculable capacitor. 2011 ,	
1128	Single-ion quantum lock-in amplifier. 2011 , 473, 61-5	124
1127	Digital Laser Frequency Control and Phase-Stabilization Loops in a High Precision Space-Borne Metrology System. 2011 , 47, 651-660	6
1126	Fabry-Perot Displacement Interferometry for Next-Generation Calculable Capacitor. 2011 , 60, 2673-2677	8
1125	Efficient second harmonic generation of a diode laser using ring cavity with a KNbO ₃ Crystal. 2011 , 19, 244-250	
1124	Field-programmable gate array based locking circuit for external cavity diode laser frequency stabilization. 2011 , 82, 103103	17
1123	Offline estimation of ring-down time for an experimental Fabry-Perot optical cavity. 2011 ,	0
1122	Measurement system characteristics of the OGRAN antenna. 2011 , 17, 91-93	
1121	Experimental study on the imaging of the squeezed state light at 1064 nm. 2011 , 21, 1202-1207	6

1120	Raman lasing with a cold atom gain medium in a high-finesse optical cavity. 2011 , 107, 063904	24
1119	Linewidth reduction of a distributed-feedback diode laser using an all-fiber interferometer with short path imbalance. 2011 , 82, 073105	9
1118	Detection of slow geophysical perturbations in gravitational-wave interferometers. 2011 , 54, 585-592	1
1117	A pump-resonant signal-resonant optical parametric oscillator for spectroscopic breath analysis. 2011 , 102, 367-374	5
1116	Optimized loading of an optical dipole trap for the production of chromium BECs. 2011 , 102, 1-9	6
1115	A high-stability semiconductor laser system for a ^{88}Sr -based optical lattice clock. 2011 , 103, 17-25	20
1114	Absolute frequency measurement of a water-stabilized diode laser at 1.384 μm by means of a fiber frequency comb. 2011 , 102, 725-729	27
1113	Stabilized diode laser pumped, idler-resonant cw optical parametric oscillator. 2011 , 102, 757-764	5
1112	Injection-locked single-frequency laser with an output power of 220 W. 2011 , 102, 529-538	47
1111	Compact all-solid-state continuous-wave single-frequency UV source with frequency stabilization for laser cooling of Be^+ ions. 2011 , 103, 27-33	35
1110	Cavity-enhanced optical frequency doubler based on transmission-mode Häschouillaud locking. 2011 , 104, 897-908	6
1109	A single laser system for ground-state cooling of $^{25}\text{Mg}^+$. 2011 , 104, 583-590	24
1108	Determination of wavefront aberrations using a FabryPerot cavity. 2011 , 284, 3197-3201	5
1107	Frequency comb-referenced measurements of self- and nitrogen-broadening in the $\nu_1+\nu_2$ band of acetylene. 2011 , 266, 43-51	21
1106	Preparation of a new type of high-resolution light source. 2011 , 637, S134-S136	1
1105	A 729nm laser with ultra-narrow linewidth for probing $4S_{1/2}^{\text{D}}5/2$ clock transition of $^{40}\text{Ca}^+$. 2011 , 284, 217-221	12
1104	Real-time wavelength corrected heterodyne laser interferometry. 2011 , 35, 38-43	7
1103	Damping parametric instabilities in future gravitational wave detectors by means of electrostatic actuators. 2011 , 375, 788-794	30

1102	Heterodyne non-demolition measurements on cold atomic samples: towards the preparation of non-classical states for atom interferometry. 2011 , 13, 065021	25
1101	Ultra-sensitive high-precision spectroscopy of a fast molecular ion beam. 2011 , 135, 224201	14
1100	Nonlocal restoration of two-mode squeezing in the presence of strong optical loss. 2011 , 13, 063014	9
1099	Semiconductor Laser White Noise Suppression by Optical Filtering with Ultra-Narrowband FBG. 2011 ,	2
1098	Extreme nonlinear response of ultranarrow optical transitions in cavity QED for laser stabilization. 2011 , 84,	20
1097	Line-shape study of self-broadened O2 transitions measured by Pound-Drever-Hall-locked frequency-stabilized cavity ring-down spectroscopy. 2011 , 84,	44
1096	Precision measurement of the $5\ 2S_{1/2} \leftrightarrow 2D_{5/2}$ quadrupole transition isotope shift between Sr88+ and Sr86+. 2011 , 83,	6
1095	Isotope-shift measurements of stable and short-lived lithium isotopes for nuclear-charge-radii determination. 2011 , 83,	50
1094	Hyperfine-resolved 3.4- μ m spectroscopy of CH3I with a widely tunable difference frequency generation source and a cavity-enhanced cell: A case study of a local Coriolis interaction between the $v_1=1$ and $(v_2,v_6)=(1,22)$ states. 2011 , 83,	6
1093	A flight-like optical reference cavity for GRACE follow-on laser frequency stabilization. 2011 ,	10
1092	Absolute transition frequencies and quantum interference in a frequency comb based measurement of the (6,7)Li D lines. 2011 , 107, 023001	74
1091	Invited review article: Interferometric gravity wave detectors. 2011 , 82, 101101	18
1090	Sub-nano resolution static strain fiber sensor using a novel sideband interrogation technique. 2011 ,	
1089	Quantum-noise-limited optical frequency comb spectroscopy. 2011 , 107, 233002	107
1088	Frequency discriminators for the characterization of narrow-spectrum heterodyne beat signals: application to the measurement of a sub-hertz carrier-envelope-offset beat in an optical frequency comb. 2011 , 82, 123116	32
1087	. 2011 ,	
1086	Optical heterodyne phase detection and frequency stabilization of an external cavity diode laser by using single acousto-optic frequency shifter. 2011 ,	1
1085	Active control of the Pound-Drever-Hall error signal offset in high-repetition-rate cavity ring-down spectroscopy. 2011 , 22, 115303	34

1084	Use of AOM-RN as a phase modulator in FM sideband heterodyne technique in the atomic frequency standards. 2011,	1
1083	Measurement of a free spectral range of a FabryPerot cavity using frequency modulation and null method under off-resonance conditions. 2011, 22, 025302	4
1082	Frequency Measurement of the Electric Quadrupole Transition in a Single Laser-Cooled 40 Ca +. 2011, 28, 013201	10
1081	. 2011,	1
1080	DC readout experiment in Enhanced LIGO. 2012, 29, 065005	78
1079	Experimental Study on the Imaging of the Squeezed State Light with -4.93dB Quantum-Noise Reduction at 1064 nm. 2012, 571, 439-444	1
1078	Continuous variable entanglement measurement without phase-locking. 2012, 59, 53-56	1
1077	Optical layout for a 10 m FabryPerot Michelson interferometer with tunable stability. 2012, 29, 075003	7
1076	A new method for the absolute amplitude calibration of GEO 600. 2012, 29, 065001	4
1075	Long-term stable squeezed vacuum state of light for gravitational wave detectors. 2012, 29, 075001	26
1074	Proposed experiment in two-qubit linear optical photonic gates for maximal success rates. 2012, 45, 185502	1
1073	An airborne amplitude-modulated 1.57 μ m differential laser absorption spectrometry: simultaneous measurement of partial column-averaged dry air mixing ratio of CO ₂ and target range. 2012,	
1072	A narrow-linewidth optical parametric oscillator for mid-infrared high-resolution spectroscopy. 2012, 110, 2103-2109	13
1071	Frequency Stabilization of the Diode Laser to the Extra Reference Cavity. 2012, 198-199, 1235-1240	
1070	The characterization of Virgo data and its impact on gravitational-wave searches. 2012, 29, 155002	59
1069	Resonator fiber optic gyro employing a semiconductor laser. 2012, 51, 2856-64	32
1068	A sideband interrogation method for precise measurement of resonance frequency difference between interferometers. 2012,	4
1067	Injection-locked diode laser current modulation for Pound-Drever-Hall frequency stabilization using transfer cavities. 2012, 29, 1394	8

1066	Sub-nano resolution fiber-optic static strain sensor using a sideband interrogation technique. 2012 , 37, 434-6	38
1065	Subfrequency noise signal extraction in fiber-optic strain sensors using postprocessing. 2012 , 37, 2169-71	6
1064	Multicolor cavity metrology. 2012 , 29, 2092-103	16
1063	Arm-length stabilisation for interferometric gravitational-wave detectors using frequency-doubled auxiliary lasers. 2012 , 20, 81-9	27
1062	Suppression of extraneous thermal noise in cavity optomechanics. 2012 , 20, 3586-612	11
1061	Simultaneous measurement of quality factor and wavelength shift by phase shift microcavity ring down spectroscopy. 2012 , 20, 9090-8	33
1060	Calibration of an astrophysical spectrograph below 1 m/s using a laser frequency comb. 2012 , 20, 13711-26	61
1059	Dual-mode temperature compensation technique for laser stabilization to a crystalline whispering gallery mode resonator. 2012 , 20, 19185-93	32
1058	Michelson interferometer with diffractively-coupled arm resonators in second-order Littrow configuration. 2012 , 20, 25400-8	4
1057	Prototype of an ultra-stable optical cavity for space applications. 2012 , 20, 25409-20	58
1056	Frequency stability of a dual-mode whispering gallery mode optical reference cavity. 2012 , 20, 29798-806	19
1055	Fiber-laser-based noise-immune cavity-enhanced optical heterodyne molecular spectrometry instrumentation for Doppler-broadened detection in the 10^{12} cm ⁻¹ Hz ^{1/2} region. 2012 , 29, 1305	42
1054	Speed-dependent effects in dispersion mode of detection and in noise-immune cavity-enhanced optical heterodyne molecular spectrometry: experimental demonstration and validation of predicted line shape. 2012 , 29, 2980	13
1053	Long-external-cavity distributed Bragg reflector laser with subkilohertz intrinsic linewidth. 2012 , 37, 1989-91	20
1052	Control and tuning of a suspended Fabry-Perot cavity using digitally enhanced heterodyne interferometry. 2012 , 37, 4952-4	6
1051	Stabilized high-power laser system for the gravitational wave detector advanced LIGO. 2012 , 20, 10617-34	102
1050	Critical coupling control of a microresonator by laser amplitude modulation. 2012 , 20, 12622-30	20
1049	Characterization technique of optical whispering gallery mode resonators in the microwave frequency domain for optoelectronic oscillators. 2012 , 51, 4742-8	18

1048	Frequency locked micro disk resonator for real time and precise monitoring of refractive index. 2012 , 37, 1313-5	18
1047	Broadly tunable mid-infrared noise-immune cavity-enhanced optical heterodyne molecular spectrometer. 2012 , 37, 4422-4	23
1046	Robust laser frequency stabilization by serrrodyne modulation. 2012 , 37, 1005-7	18
1045	Aligning a reflection cavity by Anderson's method. 2012 , 51, 3132-6	2
1044	Technique for in situ measurement of free spectral range and transverse mode spacing of optical cavities. 2012 , 51, 6571-7	8
1043	Generation of pure phase and amplitude-modulated signals at microwave frequencies. 2012 , 83, 064705	2
1042	An apparatus for immersing trapped ions into an ultracold gas of neutral atoms. 2012 , 83, 053108	27
1041	Oscillating test of the isotropic shift of the speed of light. 2012 , 108, 260801	12
1040	Absorption spectroscopy using interference between optical frequency comb and single-wavelength laser. 2012 , 101, 051105	20
1039	Fast light effect in experiments with cryogenic resonators. 2012 , 45, 221001	1
1038	A Distributed-Feedback Diode Laser Frequency Stabilized on Doppler-Free Cs $S_{D_{1}}$ Line. 2012 , 61, 2852-2855	18
1037	Electron-atom interactions in a resonant optical enhancement cavity. 2012 , 86,	2
1036	Continuous-wave spatial quantum correlations of light induced by multiple scattering. 2012 , 86,	6
1035	High-signal-to-noise-ratio laser technique for accurate measurements of spectral line parameters. 2012 , 85,	83
1034	Magnetic linear birefringence measurements using pulsed fields. 2012 , 85,	35
1033	Laser spectroscopy and cooling of Yb ⁺ ions on a deep-UV transition. 2012 , 85,	9
1032	Cryogenic linear Paul trap for cold highly charged ion experiments. 2012 , 83, 083115	56
1031	Cavity-enhanced parity-nonconserving optical rotation in metastable Xe and Hg. 2012 , 108, 210801	26

1030	Hardware-based demonstration of time-delay interferometry and TDI-ranging with spacecraft motion effects. 2012 , 86,	23
1029	Frequency stabilization of laser diode to the 6S-8S two-photon transitions in cesium atoms in a vapor cell placed in an external cavity. 2012 ,	0
1028	Generation of a squeezed state at 1.55 μm with periodically poled LiNbO ₃ . 2012 , 21, 104204	5
1027	Optomechanical sideband cooling of a thin membrane within a cavity. 2012 , 14, 095015	42
1026	XUV frequency combs via femtosecond enhancement cavities. 2012 , 45, 142001	50
1025	Global feed-forward vibration isolation in a km scale interferometer. 2012 , 29, 215008	21
1024	Photothermal and thermo-refractive effects in high reflectivity mirrors at room and cryogenic temperature. 2012 , 111, 043101	14
1023	Frequency Locked Micro Disk Resonator for improved Sensing resolution and overcoming perturbations in NSOM measurements. 2012 ,	
1022	Demonstration of the extremely high signal-to-noise ratio and advanced O2B-band line shape analysis in the PDH-locked FS-CRDS experiment. 2012 , 397, 012046	
1021	Non-planar four-mirror optical cavity for high intensity gamma ray flux production by pulsed laser beam Compton scattering off GeV-electrons. 2012 , 7, P01017-P01017	28
1020	Laser Spectrometric Techniques in Analytical Atomic Spectrometry. 2012 ,	
1019	A spectrograph for exoplanet observations calibrated at the centimetre-per-second level. 2012 , 485, 611-4	177
1018	Cold and trapped metastable noble gases. 2012 , 84, 175-210	102
1017	Intersatellite laser ranging instrument for the GRACE follow-on mission. 2012 , 86, 1083-1095	175
1016	Efficient phase noise suppression of an external-cavity diode-laser by optical filtering and resonant optical feedback. 2012 , 108, 39-42	3
1015	Linewidth of a quantum-cascade laser assessed from its frequency noise spectrum and impact of the current driver. 2012 , 109, 407-414	28
1014	Noise properties of an optical frequency comb from a SESAM-mode-locked 1.5- μm solid-state laser stabilized to the 10^{-13} level. 2012 , 109, 391-402	9
1013	Laser-interferometric gravitational antennas: role of recycling in the free spectrum range mode. 2012 , 55, 379-384	

1012	. 2012,	3
1011	Low pass filter model-based offline estimation of ring-down time for an experimental Fabry-Perot optical cavity. 2012,	1
1010	Effect of calibration errors on Bayesian parameter estimation for gravitational wave signals from inspiral binary systems in the advanced detectors era. 2012, 85,	49
1009	Long-term temperature stabilized measurement of ultra-low expansion Fabry-Perot cavity. 2012,	
1008	. 2012,	
1007	Compact Hz-level linewidth laser system. 2012,	
1006	Experimental performance of a single-mode ytterbium-doped fiber ring laser with intracavity modulator. 2012, 9, 575-580	2
1005	Long-term measurement of ultra-low expansion Fabry-Perot cavity in stabilized temperature. 2012,	
1004	Absolute frequency measurement of the $2S_{1/2} \rightarrow 2P_{1/2}$ electric octupole transition in a single ion of $^{171}\text{Yb}^+$ with 10^{-5} fractional uncertainty. 2012, 14, 013045	37
1003	Effect of multiplicative noise on least-squares parameter estimation with applications to the atomic force microscope. 2012, 83, 055106	13
1002	Laser-phase and frequency stabilization using atomic coherence. 2012, 86,	12
1001	Lasers and Coherent Light Sources. 2012, 641-1046	3
1000	Accurate Gouy phase measurement in an astigmatic optical cavity. 2012, 108, 749-753	9
999	A sub-40-mHz-linewidth laser based on a silicon single-crystal optical cavity. 2012, 6, 687-692	402
998	Collective state measurement of mesoscopic ensembles with single-atom resolution. 2012, 109, 133603	50
997	Sub-Doppler modulation spectroscopy of potassium for laser stabilization. 2012, 45, 065002	20
996	Microwave sources of pure phase and amplitude-modulated signals. 2012,	
995	Optoelectronic oscillator based on fiber ring resonator: Overall system optimization and phase noise reduction. 2012,	7

994	Understanding Pound-Drever-Hall locking using voltage controlled radio-frequency oscillators: An undergraduate experiment. 2012 , 80, 232-239	2
993	Coherent excitation of the 6S1/2 to 5D3/2 electric-quadrupole transition in 138Ba+. 2012 , 85,	8
992	Cavity ring-down spectroscopy of the oxygen B-band with absolute frequency reference to the optical frequency comb. 2012 , 136, 024201	51
991	Amount-ratio determinations of water isotopologues by dual-laser absorption spectrometry. 2012 , 86,	8
990	Modulation-free laser frequency stabilization to a saturated sub-Doppler spectral line in a transversal magnetic field. 2012 , 285, 4107-4111	7
989	Fourth harmonic generation of continuous-wave lasers in coupled-cavity configuration. 2012 , 285, 5368-5371	2
988	Chirped pulse laser sources and applications. 2012 , 36, 475-540	15
987	Collective strong coupling between ion Coulomb crystals and an optical cavity field: Theory and experiment. 2012 , 85,	16
986	High power rapidly tunable system for laser cooling. 2012 , 83, 015111	7
985	A low-cost, FPGA-based servo controller with lock-in amplifier. 2012 , 7, P10026-P10026	6
984	Noise-immune cavity-enhanced optical heterodyne detection of HO ₂ in the near-infrared range. 2012 , 116, 5090-9	13
983	Quantum vacuum magnetic birefringence. 2012 , 210, 7-12	1
982	Delivering pulsed and phase stable light to atoms of an optical clock. 2012 , 107, 301-311	34
981	Frequency-stabilized cavity ring-down spectroscopy. 2012 , 536, 1-8	63
980	Resonator micro optic gyro with double phase modulation technique using an FPGA-based digital processor. 2012 , 285, 645-649	20
979	Advanced Ultrafast Technologies Based on Optical Frequency Combs. 2012 , 18, 258-274	52
978	A locally optimal algorithm for detecting weak geophysical signals at the output of laser gravitational antennas. 2012 , 67, 182-185	0
977	Compact high-repetition-rate source of coherent 100 eV radiation. 2013 , 7, 608-612	119

976	Hybrid optical and electronic laser locking using slow light due to spectral holes. 2013 , 87,	4
975	Ultrafast High Power and Stabilized Semiconductor Diode Lasers Physics, Techniques, and Applications in Coherent Signal Processing. 2013 , 303-381	0
974	Reducing the effect of thermal noise in optical cavities. 2013 , 113, 233-242	23
973	Optical frequency standard based on a single $^{40}\text{Ca}^+$. 2013 , 58, 853-863	6
972	Suppression of quantum-radiation-pressure noise in an optical spring. 2013 , 88,	14
971	Microwave synthesizer using an on-chip Brillouin oscillator. 2013 , 4, 2097	175
970	Faithful solid state optical memory with dynamically decoupled spin wave storage. 2013 , 111, 020503	42
969	Spectroscopy of thermally excited acoustic modes using three-mode opto-acoustic interactions in a thermally tuned Fabry-Pérot cavity. 2013 , 377, 2702-2708	6
968	Cavity length measurement: bias from misalignment and mismatching. 2013 , 52, 8154-60	1
967	Faraday and Cotton-Mouton effects of helium at $\lambda=1064$ nm. 2013 , 88,	13
966	Evanescent straight tapered-fiber coupling of ultra-high Q optomechanical micro-resonators in a low-vibration helium-4 exchange-gas cryostat. 2013 , 84, 043108	16
965	Trace Water Vapor Analysis in Specialty Gases: Sensor and Spectroscopic Approaches. 2013 , 195-249	2
964	Spectral engineering of slow light, cavity line narrowing, and pulse compression. 2013 , 111, 183602	29
963	Absolute frequency measurement of $^{1}S_0(F=1/2)$ - $^3P_0(F=1/2)$ transition of ^{171}Yb atoms in a one-dimensional optical lattice at KRISS. 2013 , 50, 119-128	56
962	A compact efficient deep ultraviolet laser at 266 nm. 2013 , 10, 045402	5
961	Spectral line-shapes investigation with Pound-Drever-Hall-locked frequency-stabilized cavity ring-down spectroscopy. 2013 , 222, 2119-2142	26
960	Quantum interference and light polarization effects in unresolvable atomic lines: Application to a precise measurement of the $6,7\text{Li}$ D2 lines. 2013 , 87,	56
959	An Effective Estimate of the Resonance Frequency of a Fabry-Pérot Interferometer in the Pound-Drever Scheme. 2013 , 56, 881-886	

958	Optical Scattering Induced Noise in Fiber Ring Resonators and Optoelectronic Oscillators. 2013 , 31, 1433-1446	17
957	Accurate frequency measurement of the B band of methane from sub-Doppler resolution comb-referenced spectroscopy. 2013 ,	
956	Optoelectronic oscillator using an ultra-high finesse Fabry-Perot etalon as a photonic filter for low phase noise at high oscillating frequencies. 2013 ,	3
955	Stabilization of the coupled resonant cavity without dither. 2013 , 308, 270-273	1
954	Large-mode enhancement cavities. 2013 , 21, 11606-17	39
953	Optical cavity-enhanced surface plasmon resonance refractive index sensing. 2013 ,	
952	Absolute $^{12}\text{C}^{16}\text{O}_2$ transition frequencies at the kHz-level from 1.6 to 7.8 μm . 2013 , 130, 112-115	30
951	Quantum vacuum magneto-optics. 2013 , 14, 27-38	2
950	Low pressure line-shape study of self-broadened CO transitions in the (3<-0) band. 2013 , 130, 191-200	28
949	Sodium guide star laser generation by single-pass frequency doubling in a periodically poled near-stoichiometric LiTaO ₃ crystal. 2013 , 56, 125-128	3
948	Cavity-stabilized laser with acceleration sensitivity below 10^{-12} g. 2013 , 87,	33
947	Comb-linked, cavity ring-down spectroscopy for measurements of molecular transition frequencies at the kHz-level. 2013 , 138, 094201	45
946	Optical gas sensing: a review. 2013 , 24, 012004	826
945	Experimental test of higher-order Laguerre-Gauss modes in the 10 m Glasgow prototype interferometer. 2013 , 30, 035004	21
944	Efficient quantum memory using a weakly absorbing sample. 2013 , 110, 133604	106
943	Gravitational waves: Sources, detectors and searches. 2013 , 68, 1-54	71
942	Progress and trend of narrow-linewidth lasers. 2013 , 56, 1589-1596	5
941	Cavity-enhanced optical frequency comb spectroscopy in the mid-infrared application to trace detection of hydrogen peroxide. 2013 , 110, 163-175	101

940	Frequency-agile, rapid scanning spectroscopy. 2013 , 7, 532-534	72
939	Highly stable piezoelectrically tunable optical cavities. 2013 , 111, 223-231	7
938	Characterisation of the potential of frequency modulation and optical feedback locking for cavity-enhanced absorption spectroscopy. 2013 , 111, 341-349	3
937	Long-term and wideband laser intensity stabilization with an electro-optic amplitude modulator. 2013 , 45, 775-781	17
936	Design of an optical reference cavity with low thermal noise limit and flexible thermal expansion properties. 2013 , 67, 1	12
935	Single particle detection in CMOS compatible photonic crystal nanobeam cavities. 2013 , 21, 32225-33	53
934	Gate sequence for continuous variable one-way quantum computation. 2013 , 4,	81
933	Crustal Deformation Measurement Using an Optical Fiber Strain Sensor. 2013 ,	1
932	Ultrasensitive real-time measurement of dissipation and dispersion in a whispering-gallery mode microresonator. 2013 , 38, 1915-7	12
931	Detecting ionizing radiation with optical fibers down to biomedical doses. 2013 , 103, 184102	17
930	Precise frequency measurements of iodine hyperfine transitions at 671 nm. 2013 , 52, 1448-52	6
929	High-power Ti:sapphire laser at 820 nm for scanning ground-based water-vapor differential absorption lidar. 2013 , 52, 2454-69	28
928	Frequency stabilization of Nd:YAG lasers with a most probable linewidth of 06 Hz. 2013 , 30, 1546	19
927	Narrow linewidth single-frequency terahertz source based on difference frequency generation of vertical-external-cavity source-emitting lasers in an external resonance cavity. 2013 , 38, 3654-7	22
926	Spectroscopy of ^{171}Yb in an optical lattice based on laser linewidth transfer using a narrow linewidth frequency comb. 2013 , 21, 7891-6	34
925	Length sensing and control of a Michelson interferometer with power recycling and twin signal recycling cavities. 2013 , 21, 5287-99	3
924	Detection of ion micromotion in a linear Paul trap with a high finesse cavity. 2013 , 21, 10632-41	12
923	Investigating the resonance spectrum of optical frequency combs in fiber-optic cavities. 2013 , 21, 13785-93	1

922	Phase noise analysis of a 10 Watt Yb-doped fibre amplifier seeded by a 1-Hz-linewidth laser. 2013 , 21, 14618-26	17
921	Squeezed light in an optical parametric oscillator network with coherent feedback quantum control. 2013 , 21, 18371-86	36
920	Sub-pg mass sensing and measurement with an optomechanical oscillator. 2013 , 21, 19555-67	76
919	Cavity-enhanced spectroscopy of a rare-earth-ion-doped crystal: observation of a power law for inhomogeneous broadening. 2013 , 21, 24332-43	2
918	Interferometer phase noise due to beam misalignment on diffraction gratings. 2013 , 21, 29578-91	1
917	Cavity mode-width spectroscopy with widely tunable ultra narrow laser. 2013 , 21, 29744-54	36
916	Stabilization of a Kerr frequency comb oscillator. 2013 , 38, 2636-9	51
915	External cavity enhancement of picosecond pulses with 28,000 cavity finesse. 2013 , 52, 8376-80	15
914	Rapid scan absorption spectroscopy using a waveform-driven electro-optic phase modulator in the 16165 Th region. 2013 , 30, 2696	7
913	Optical injection locking of a singly resonant continuous-wave optical parametric oscillator. 2013 , 38, 597-9	
912	Stabilized fiber-optic Mach-Zehnder interferometer for carrier-frequency rejection. 2013 , 52, 5713-7	7
911	Injection locking of two frequency-doubled lasers with 3.2 GHz offset for driving Raman transitions with low photon scattering in $^{43}\text{Ca}^+$. 2013 , 38, 5087-9	7
910	Evanescent-wave comb spectroscopy of liquids with strongly dispersive optical fiber cavities. 2013 , 102, 201116	13
909	Low-pressure line-shape study in molecular oxygen with absolute frequency reference. 2013 , 139, 194312	18
908	Note: auto-relock system for a bow-tie cavity for second harmonic generation. 2013 , 84, 026111	5
907	Note: Simple and compact piezoelectric mirror actuator with 100 kHz bandwidth, using standard components. 2013 , 84, 056112	8
906	A deep optical cavity trap for atoms and molecules with rapid frequency and intensity modulation. 2013 , 84, 083101	4
905	Surface plasmon resonance optical cavity enhanced refractive index sensing. 2013 , 38, 1951-3	28

- 904 An airborne amplitude-modulated 1.57 μm differential laser absorption spectrometer: simultaneous measurement of partial column-averaged dry air mixing ratio of CO_2 and target range. **2013**, 6, 387-396 15
- 903 Prototyping a compact system for active vibration isolation using piezoelectric sensors and actuators. **2013**, 84, 055002 2
- 902 Precision measurement of hyperfine intervals in the D1 lines of atomic ^7Li . **2013**, 46, 075004 6
- 901 Spiral resonators for on-chip laser frequency stabilization. **2013**, 4, 2468 61
- 900 Generation of a continuous-wave squeezed vacuum state at 1.3 μm by employing a home-made all-solid-state laser as pump source. **2013**, 22, 094206 6
- 899 Magnetic Field Induced Spectroscopy of 88 Sr Atoms Probed with a 10 Hz Linewidth Laser. **2013**, 30, 014206 7
- 898 Optical stabilization of voltage fluctuations in half-Josephson lasers. **2013**, 103, 28005 2
- 897 Study of the noise processes in microwave oscillators based on passive optical resonators. **2013**, 5, 371-380 6
- 896 Progress report on development of ultrastable lasers for $^{27}\text{Al}^+$ optical clock. **2013**, 139, 054201 8
- 895 Experimental observation and analysis of the $3(\Pi)(\Pi_g)$ stretching vibrational state of acetylene using continuous-wave infrared stimulated emission. **2013**, 139, 054201 8
- 894 Shifts of optical frequency references based on spectral-hole burning in $\text{Eu}^{3+}:\text{Y}_2\text{SiO}_5$. **2013**, 15, 033006 20
- 893 Absolute and relative stability of an optical frequency reference based on spectral hole burning in $\text{Eu}^{3+}:\text{Y}_2\text{SiO}_5$. **2013**, 111, 237402 13
- 892 A bright continuous-wave laser source at 193 nm. **2013**, 103, 051114 19
- 891 Coherent storage of temporally multimode light using a spin-wave atomic frequency comb memory. **2013**, 15, 045012 37
- 890 Experimental characterization of optoelectronic oscillators based on optical mini-resonators. **2013**, 15, 045012 3
- 889 Optical frequency stabilization and optical phase locked loops: Golden threads of precision measurement. **2013**, 15, 045012 1
- 888 Sub-Doppler cavity cooling beyond the Lamb-Dicke regime. **2013**, 87, 051114 5
- 887 Frequency-comb spectroscopy of the hydrogen 1S-3S and 1S-3D transitions. **2013**, 525, L29-L34 29

886	First spectroscopy of the 1S0 ->3P0 transition in Lamb-Dicke confined magnesium atoms. 2013,	
885	Optical measurement of the gas number density in a FabryPerot cavity. 2013, 24, 105207	16
884	Performance evaluation of a 1.6-µm methane DIAL system from ground, aircraft and UAV platforms. 2013, 21, 30415-32	26
883	Monolithic Linewidth Narrowing of a Tunable SG-DBR Laser. 2013,	7
882	A controlled atmosphere tube furnace was designed for thermal CVD. 2013, 439, 012020	
881	Atomic and molecular spectroscopy with optical-frequency-comb-referenced IR coherent sources. 2013, 57, 02003	
880	Continuous-Wave Molecular Modulation Using a High-Finesse Cavity. 2014, 4, 498-514	6
879	The matter-wave laser interferometer gravitation antenna (MIGA): New perspectives for fundamental physics and geosciences. 2014, 4, 01004	10
878	A 100-m FabryPerot Cavity with Automatic Alignment Controls for Long-Term Observations of Earth's Strain. 2014, 2, 129-142	2
877	Cavity-enhanced measurements for determining dielectric-membrane thickness and complex index of refraction. 2014, 53, 4930-8	2
876	High quality-factor optical resonators. 2014, T162, 014032	6
875	Vacuum magnetic linear birefringence using pulsed fields. 2014,	
874	Approaching TW-peak powers at >10kHz repetition rate by multi-dimensional coherent combining of femtosecond fiber lasers. 2014,	
873	Cavity-enhanced surface-plasmon resonance sensing: modeling and performance. 2014, 25, 015205	2
872	Frequency Locking of an Optical Cavity Using a Time-Varying Kalman Filtering Approach. 2014, 22, 1143-1150	2
871	Sub-hertz-linewidth diode laser stabilized to an ultralow-drift high-finesse optical cavity. 2014, 7, 022705	13
870	Microcontroller-based locking in optics experiments. 2014, 85, 123112	23
869	Note: efficient generation of optical sidebands at GHz with a high-power tapered amplifier. 2014, 85, 046104	1

868	Heterodyne multi-wavelength absolute interferometry based on a cavity-enhanced electro-optic frequency comb pair. 2014 , 39, 5834-7	45
867	Low-noise Brillouin laser on a chip at 1064 nm. 2014 , 39, 287-90	44
866	Silicon single-crystal cryogenic optical resonator. 2014 , 39, 3242-5	17
865	Accelerated convergence method for fast Fourier transform simulation of coupled cavities. 2014 , 31, 652-60	3
864	Many-atom-cavity QED system with homogeneous atom-cavity coupling. 2014 , 39, 4005-8	21
863	Transportable cavity-stabilized laser system for optical carrier frequency transmission experiments. 2014 , 53, 8157-66	7
862	Frequency stabilization based on high finesse glass-ceramic Fabry-Perot cavity for a 632.8-nm He-Ne laser. 2014 ,	
861	Optical injection unlocking for cavity ringdown spectroscopy. 2014 , 39, 4227-30	4
860	Split-mode fiber Bragg grating sensor for high-resolution static strain measurements. 2014 , 39, 6899-902	24
859	Laser frequency locking with second-harmonic demodulation. 2014 , 53, 6765-70	2
858	Reduction of residual amplitude modulation to 1 μW for frequency modulation and laser stabilization. 2014 , 39, 1980-3	90
857	Multiheterodyne spectroscopy with optical frequency combs generated from a continuous-wave laser. 2014 , 39, 2688-90	95
856	Laser frequency offset locking via tripod-type electromagnetically induced transparency. 2014 , 53, 2632-7	6
855	Absolute frequency stabilization of an extended-cavity diode laser by means of noise-immune cavity-enhanced optical heterodyne molecular spectroscopy. 2014 , 39, 2198-201	21
854	Squeezed light for advanced gravitational wave detectors and beyond. 2014 , 22, 21106-21	43
853	Highly efficient second harmonic generation of a light carrying orbital angular momentum in an external cavity. 2014 , 22, 23673-8	19
852	Cavity-enhanced frequency doubling from 795nm to 397.5nm ultra-violet coherent radiation with PPKTP crystals in the low pump power regime. 2014 , 22, 32293-300	13
851	Polarization-selectable cavity locking method for generation of laser Compton scattered γ -rays. 2014 , 22, 6613-9	2

850	Frequency stabilization of a 369 nm diode laser by nonlinear spectroscopy of Ytterbium ions in a discharge. 2014 , 22, 7210-21	12
849	Tunable, continuous-wave optical parametric oscillator with more than 1W output power in the orange visible spectrum. 2014 , 22, 11182-91	24
848	Optically trapped mirror for reaching the standard quantum limit. 2014 , 22, 12915-23	10
847	Pump frequency noise coupling into a microcavity by thermo-optic locking. 2014 , 22, 14559-67	10
846	Dual frequency laser with two continuously and widely tunable frequencies for optical referencing of GHz to THz beatnotes. 2014 , 22, 17673-8	19
845	Coding for stable transmission of W-band radio-over-fiber system using direct-beating of two independent lasers. 2014 , 22, 26092-7	5
844	Injection-locked operation of an optically pumped semiconductor laser. 2014 , 39, 5610-3	
843	Direct Sensing in Liquids Using Whispering-Gallery-Mode Droplet Resonators. 2014 , 2, 1155-1159	51
842	Fundamentals of cavity-enhanced polarimetry for parity-nonconserving optical rotation measurements: Application to Xe, Hg, and I. 2014 , 89,	19
841	High sensitivity optomechanical reference accelerometer over 10 kHz. 2014 , 104, 221111	63
840	A high frequency resonance gravity gradiometer. 2014 , 85, 065114	9
839	Cavity-based absorption spectroscopy techniques. 2014 , 167-207	1
838	Note: Periodic error measurement in heterodyne interferometers using a subpicometer accuracy Fabry-Perot interferometer. 2014 , 85, 086102	3
837	Detection of weak stochastic forces in a parametrically stabilized micro-optomechanical system. 2014 , 89,	22
836	Achieving resonance in the Advanced LIGO gravitational-wave interferometer. 2014 , 31, 245010	41
835	Optical cavity enhanced real-time absorption spectroscopy of CO ₂ using laser amplitude modulation. 2014 , 105, 053505	3
834	A linewidth-narrowed and frequency-stabilized dye laser for application in laser cooling of molecules. 2014 , 22, 28645-52	12
833	Diode Laser Frequency Locking to an Etalon With a Double-Pass Acousto-Optic Frequency Shifter. 2014 , 26, 1325-1327	1

832	Cavity-enhanced bright photon pairs at telecom wavelengths with a triple-resonance configuration. 2014 , 31, 128	17
831	Method to reduce excess noise of a detuned cavity for application in KAGRA. 2014 , 31, 095003	2
830	Terahertz generation by difference frequency conversion of two single-frequency VECSELs in an external resonance cavity. 2014 ,	1
829	Frequency stabilized lasers for space applications. 2014 ,	1
828	Introduction to Cavity Enhanced Absorption Spectroscopy. 2014 , 1-60	23
827	Analysis of optimal frequency bias of frequency-lock in passive ring resonator optic gyro. 2014 ,	
826	On the metrological performances of optoelectronic oscillators based on whispering gallery mode resonators. 2014 ,	
825	CW emission at 193 nm using an all solid-state laser source. 2014 ,	
824	Radiation dosimetry with fiber Bragg gratings. 2014 ,	4
823	Suppression of frequency noise of single mode laser with unbalanced fiber interferometer for subnanometer interferometry. 2014 ,	
822	Simultaneous low noise radio frequency tone and narrow linewidth optical comb generation from a regeneratively mode-locked laser. 2014 , 53, 100501	1
821	Frequency stabilization of a 1083 nm fiber laser to Δ He transition lines with optical heterodyne saturation spectroscopies. 2014 , 85, 073103	11
820	Analysis of frequency noise in ultra-stable optical oscillators with active control of residual amplitude modulation. 2014 , 117, 1025-1033	9
819	Low-frequency signals of large-scale gravitational-wave interferometers. 2014 , 119, 687-699	1
818	Near-self-imaging cavity for three-mode optoacoustic parametric amplifiers using silicon microresonators. 2014 , 53, 841-9	3
817	Advanced technologies for future ground-based, laser-interferometric gravitational wave detectors. 2014 , 61, S10-S45	4
816	Increasing LIGO sensitivity by feedforward subtraction of auxiliary length control noise. 2014 , 31, 105014	19
815	A Hertz-Linewidth Ultrastable Diode Laser System for Clock Transition Detection of Strontium Atoms. 2014 , 31, 024207	3

814	Design of a speed meter interferometer proof-of-principle experiment. 2014 , 31, 215009	26
813	Laser linewidth narrowing using transient spectral hole burning. 2014 , 152, 84-87	6
812	Spectral line shapes of self-broadened P-branch transitions of oxygen B band. 2014 , 144, 36-48	34
811	All-solid-state continuous-wave laser systems for ionization, cooling and quantum state manipulation of beryllium ions. 2014 , 114, 17-25	24
810	Fast-switching methane lidar transmitter based on a seeded optical parametric oscillator. 2014 , 116, 959-966	18
809	A broadband cavity ring-down spectrometer based on an incoherent near infrared light source. 2014 , 116, 785-792	1
808	Vacuum magnetic linear birefringence using pulsed fields: status of the BMV experiment. 2014 , 68, 1	86
807	Efficient 525 nm laser generation in single or double resonant cavity. 2018 , 410, 215-221	7
806	Laboratory experiment for the development of a laser neutralizer in view of DEMO NNBI. 2018 ,	1
805	Operating a near-concentric cavity at the last stable resonance. 2018 , 98,	7
804	Long-term frequency stabilized and linewidth-narrowed cw-laser system for excitation of lithium Rydberg states. 2018 , 946, 012128	3
803	A Cryogenic High-Finesse Optical Cavity to Improve the Stability of Yb Optical Lattice Clocks. 2018 ,	
802	Digital-RF-Synthesizer-Based Laser Phase Noise Compensation Method for Optical Fiber Sensors. 2018 ,	1
801	Sub-shot-noise interferometric timing measurement with a squeezed frequency comb. 2018 , 98,	4
800	A pressure-tuned Fabry Perot interferometer for laser frequency stabilization and tuning. 2018 , 89, 093107	1
799	Highly Stable Optical Vector Analysis Based on Pound-Drever-Hall Technique for Fabry-Perot Interferometers Measurement. 2018 ,	
798	Note: Simultaneous modulation transfer spectroscopy on transitions of multiple atomic species for compact laser frequency reference modules. 2018 , 89, 096101	2
797	Improvements to Signal Processing and Component Minaturization of Compact Resonator Fiber Optic Gyroscopes. 2018 ,	9

796	Contributed Review: A review of compact interferometers. 2018 , 89, 121501	9
795	Phase-sensitive photothermal imaging of ultrahigh-Q polyoxide toroidal microresonators. 2018 , 113, 231105	3
794	Experimental Background and Overview. 2018 , 9-30	
793	Ultrafast electro-optic light with subcycle control. 2018 , 361, 1358-1363	60
792	Studying Antimatter Gravity with Muonium. 2018 , 6, 17	10
791	Highly tunable repetition-rate multiplication of mode-locked lasers using all-fibre harmonic injection locking. 2018 , 8, 13875	9
790	Tunable Brillouin Opto-Electronic Oscillator Based on Double Fiber Loop Mirror. 2018 ,	
789	Dual-Wavelength Good-Bad-Cavity Laser System for Cavity-Stabilized Active Optical Clock. 2018 , 65, 1958-1964	1
788	Feed-forward comb-assisted coherence transfer to a widely tunable DFB diode laser. 2018 , 149, 154201	3
787	Optical Ring Cavity Search for Axion Dark Matter. 2018 , 121, 161301	58
786	Rotation Measurements with a Passive Resonant Gyroscope Based on Hollow Core Fiber. 2018 ,	0
785	On Stiffness of Optical Self-Injection Locking. 2018 , 5, 43	11
784	Ultra-low noise microwave generation with a free-running optical frequency comb transfer oscillator. 2018 , 43, 4651-4654	6
783	Two-photon photoassociation spectroscopy of CsYb: Ground-state interaction potential and interspecies scattering lengths. 2018 , 98,	17
782	Theoretical and Experimental Foundations. 2018 , 15-58	
781	Modulation Instability Induced Frequency Comb Generation in a Continuously Pumped Optical Parametric Oscillator. 2018 , 121, 093903	53
780	Observation of Squeezed Light in the 2 μ m Region. 2018 , 120, 203603	17
779	Demonstration for a two-axis interferometric tilt sensor in KAGRA. 2018 , 382, 1950-1955	5

778	Accurate and wide-range radius of curvature measurement directly linked to a time standard using a Fabry-Pérot cavity. 2018 , 54, 149-153	2
777	Spectral analyses of trans- and cis-DOCO transients via comb spectroscopy. 2018 , 116, 3710-3717	5
776	Production of ultracold Cs*Yb molecules by photoassociation. 2018 , 97,	17
775	Green Synthesis of Silver/ Polystyrene Nano composite (Ag/PS NCs) Via Plant Extracts Beginning a New Era in Drug Delivery. 2018 , 11, 1-9	3
774	Thermal-noise-limited higher-order mode locking of a reference cavity. 2018 , 43, 1690-1693	17
773	Sub-kilohertz excitation lasers for quantum information processing with Rydberg atoms. 2018 , 35, 892	16
772	Mask-aligner lithography using a continuous-wave diode laser frequency-quadrupled to 193 nm. 2018 , 26, 730-743	9
771	Mode-filtering technique based on all-fiber-based external cavity for fiber-based optical frequency comb. 2018 , 26, 4656-4664	4
770	Response of an optical cavity to phase-controlled incomplete power switching of nearly resonant incident light. 2018 , 26, 5644-5654	10
769	Electrically-driven pure amplitude and frequency modulation in a quantum cascade laser. 2018 , 26, 12306	5
768	Dual-feedback mid-infrared cavity-enhanced absorption spectroscopy for HCO detection using a radio-frequency electrically-modulated interband cascade laser. 2018 , 26, 15436-15444	19
767	Laser frequency instability of 2×10^{-10} by stabilizing to 30-cm-long Fabry-Pérot cavities at 578 nm. 2018 , 26, 18699-18707	12
766	Enhanced light-matter interactions in plasmonic-molecular gas hybrid system. 2018 , 5, 486	9
765	Design of High-Power Enhancement Cavities. 2018 , 27-46	
764	Cavity Enhancement of Anti-Stokes Scattering via Optomechanical Coupling with Surface Acoustic Waves. 2018 , 10,	6
763	Testing Quantum Electrodynamics in the Lowest Singlet State of Neutral Beryllium-9. 2018 , 121, 053001	8
762	Ultrahigh resolution optic fiber strain sensor with a frequency-locked random distributed feedback fiber laser. 2018 , 43, 2499-2502	11
761	Bose-Einstein condensate array in a malleable optical trap formed in a traveling wave cavity. 2018 , 3, 045009	15

760	2.8 km fiber link with phase noise compensation for transportable Yb+ optical clock characterization. 2018 , 28, 105103	5
759	PERLE. Powerful energy recovery linac for experiments. Conceptual design report. 2018 , 45, 065003	20
758	Suppression of residual amplitude modulation effects in Pound-Drever-Hall locking. 2018 , 124, 1	9
757	Cavity-Enhanced Raman Spectroscopy for Food Chain Management. 2018 , 18,	17
756	Spectroscopic study of the 7p _{1/2} and 7p _{3/2} states in cesium-133. 2018 , 15, 095702	5
755	Thermal noise further reduced ultrastable laser with frequency instability of 5×10^{-16} . 2018 ,	
754	Two-stage stabilization setup of the laser working on 729 nm for spectroscopy with cold ⁴⁰ Ca+ ion. 2018 ,	
753	Application of the guided lock technique to Advanced Virgo's high-finesse cavities using reduced actuation. 2018 , 133, 1	1
752	Coherent Pound-Drever-Hall Technique for High Resolution Fiber-Optic Sensors at Low Probe Power. 2018 , 36, 1026-1031	6
751	Integrated Multi-wavelength Laser Source for Sensing. 2018 ,	
750	Gas modulation refractometry for high-precision assessment of pressure under non-temperature-stabilized conditions. 2018 , 36, 03E105	16
749	Detection of squeezed light with glass-integrated technology embedded into a homodyne detector setup. 2018 , 35, 1596	8
748	Multi-frequency differential absorption LIDAR system for remote sensing of CO and HO near 1.6 μ m. 2018 , 26, 19420-19434	18
747	Optical phase control of coherent pulse stacking via modulated impulse response. 2018 , 35, 2081	2
746	Measurement of electron-calcium ionization integral cross section using an ion trap with a low-energy, pulsed electron gun. 2018 , 228, 13-19	2
745	Methods of Laser, Non-Linear, and Fiber Optics in Studying Fundamental Problems of Astrophysics. 2018 , 73, 249-256	
744	Thermal and Nonlinear Dissipative-Soliton Dynamics in Kerr-Microresonator Frequency Combs. 2018 , 121, 063902	66
743	Cavity-enhanced deep ultraviolet laser for two-photon cooling of atomic hydrogen. 2018 , 43, 1375-1378	9

742	Quantitative modeling of complex molecular response in coherent cavity-enhanced dual-comb spectroscopy. 2018 , 352, 26-26	8
741	Simultaneous two-photon resonant optical laser locking (STROLLing) in the hyperfine Paschen-Back regime. 2018 , 43, 4204-4207	8
740	Printing sub-micron structures using Talbot mask-aligner lithography with a 193 nm CW laser light source. 2018 , 26, 22218-22233	6
739	BOOST: A satellite mission to test Lorentz invariance using high-performance optical frequency references. 2018 , 97,	6
738	Thermal-Noise-Limited Room-Temperature ULE Cavity. 2019 , 29-62	
737	A simple, low cost and robust method for measurement of the zero-crossing temperature of an ultralow expansion cavity. 2019 , 52, 455104	2
736	Microrod Optical Frequency Reference in the Ambient Environment. 2019 , 12,	5
735	Frequency Stabilized Lasers for Coherent Fiber Interconnects in the Datacenter (Invited Talk). 2019 ,	
734	Pico-Strain Resolution Multiplexed Fiber Grating Sensor Array Interrogated With Mode-Locked Laser. 2019 , 37, 4838-4843	4
733	Thermorefractive noise in silicon-nitride microresonators. 2019 , 99,	34
732	Searching for Ultralight Dark Matter with Optical Cavities. 2019 , 123, 031304	27
731	Orthogonal Demodulation Pound-Drever-Hall Technique for Ultra-Low Detection Limit Pressure Sensing. 2019 , 19,	4
730	Editorial Applied Physics B; Lasers and Optics Summer 2019. 2019 , 125, 1	
729	Effective algorithms for measuring frequency and phase difference in real time. 2019 ,	
728	Advanced technologies for satellite navigation and geodesy. 2019 , 64, 1256-1273	23
727	Broadband Optical Cavity Mode Measurements at Hz-Level Precision With a Comb-Based VIPA Spectrometer. 2019 , 9, 8206	15
726	Design and experimental demonstration of a laser modulation system for future gravitational-wave detectors. 2019 , 36, 205009	3
725	Coupling atoms to cavities using narrow linewidth optical transitions: applications to frequency metrology. 2019 , 52, 193001	1

724	Resonance enhanced two-photon cavity ring-down spectroscopy of vibrational overtone bands: A proposal. 2019 , 151, 144201	10
723	Stabilizing diode laser to 1 Hz-level Allan deviation with atomic spectroscopy for Rb four-level active optical frequency standard. 2019 , 125, 1	6
722	Free-space transfer of comb-rooted optical frequencies over an 18 km open-air link. 2019 , 10, 4438	9
721	Development of Ultra-stable Clock Laser System for Space Applications. 2019 ,	
720	Determination of quantum defect for the Rydberg P series of Ca II. 2019 , 52, 214001	6
719	Ultrashort Pulse Fiber Laser Generation Using Molybdenum Disulfide and Tungsten Disulfide Saturable Absorber. 2019 , 177-197	
718	Ultrastable Laser System for Spectroscopy of the 1.14 eV Inner-Shell Clock Transition in Tm and Its Absolute Frequency Measurement. 2019 , 40, 540-546	5
717	The Atmospheric Coupling and Dynamics Across the Mesopause (ACaDAME) mission. 2019 , 64, 1915-1925	2
716	An ultrastable laser system at 689 nm for cooling and trapping of strontium. 2019 , 125, 1	2
715	Blip glitches in Advanced LIGO data. 2019 , 36, 155010	46
714	Nanophotonic Quantum Storage at Telecommunication Wavelength. 2019 , 12,	15
713	Experimental Twin-Field Quantum Key Distribution through Sending or Not Sending. 2019 , 123, 100505	107
712	Laser Spectral Linewidth Reduction Using an Integrated Pound-Drever-Hall Stabilization System in 180 nm CMOS SOI. 2019 ,	
711	Axion Dark Matter Search with Interferometric Gravitational Wave Detectors. 2019 , 123, 111301	30
710	Current-feedback-stabilized laser system for quantum simulation experiments using Yb clock transition at 578 nm. 2019 , 90, 083002	3
709	Silicon photodetector for integrated lithium niobate photonics. 2019 , 115, 121108	13
708	Part-per-billion measurement of the $42S_{1/2} \rightarrow 32D_{5/2}$ electric-quadrupole-transition isotope shifts between Ca+42,44,48 and Ca+40. 2019 , 100,	18
707	Geometrically asymmetric optical cavity for strong atom-photon coupling. 2019 , 99,	10

706	626-nm single-frequency semiconductor laser system operated near room temperature for mW-level second-harmonic generation at 313 nm. 2019 , 90, 063201	0
705	Generation and Measurement of Squeezed Vacuum States at Audio-Band Frequencies. 2019 , 9, 1272	1
704	Laser frequency stabilization based on a universal sub-Doppler NICE-OHMS instrumentation for the potential application in atmospheric lidar. 2019 , 12, 1807-1814	3
703	One-Photon Photoassociation. 2019 , 129-165	
702	High-efficiency generation of a low-noise laser at 447 nm. 2019 , 12, 032010	3
701	Comb-rooted multi-channel synthesis of ultra-narrow optical frequencies of few Hz linewidth. 2019 , 9, 7652	2
700	Tests of Cryogenic FabryPerot Cavity with Mirrors on Different Substrates. 2019 , 9, 230	3
699	Highly accurate experimentally determined energy levels of H. 2019 , 150, 214303	7
698	Precision interferometry for gravitational wave detection: Current status and future trends. 2019 , 75-148	6
697	Non-degrading CW UV generation in Barium borate at 257 nm using an elliptical focusing enhancement cavity. 2019 , 16, 075403	1
696	Steady-State Analysis of the Effects of Residual Amplitude Modulation of InP-Based Integrated Phase Modulators in PoundDreverHall Frequency Stabilization. 2019 , 11, 1-14	3
695	A Fully On-Chip Frequency-Stabilization Mechanism for Terahertz Sources Eliminating Frequency Reference and Dividers. 2019 , 67, 2523-2536	10
694	Characterization of the Vacuum Birefringence Polarimeter at BMV: Dynamical Cavity Mirror Birefringence. 2019 , 68, 2268-2273	3
693	Realization of Sub-Nano-Strain Static Resolution With Injection-Locking Between Two Fiber Laser Sensors. 2019 , 37, 3166-3172	7
692	A hybrid silicon-sapphire cryogenic FabryPerot cavity using hydroxide catalysis bonding. 2019 , 36, 105007	4
691	High efficiency frequency doubling with a passive enhancement cavity. 2019 , 16, 035105	3
690	Cavity-enhanced photoacoustic sensor based on a whispering-gallery-mode diode laser. 2019 , 12, 1905-1911	10
689	Ultra-low-loss integrated visible photonics using thin-film lithium niobate. 2019 , 6, 380	100

688	Generation of stable, squeezed vacuum states at audio frequency using optical serrodyne sideband modulation locking method. 2019 , 16, 055202	0
687	Microcontroller based scanning transfer cavity lock for long-term laser frequency stabilization. 2019 , 90, 043115	9
686	An example of design, optimization, stabilization and noise performances of resonator-based optoelectronic oscillators. 2019 , 10, A2	3
685	Tunable visible frequency combs from a Yb-fiber-laser-pumped optical parametric oscillator. 2019 , 125, 1	6
684	Liquid Droplet Microresonators. 2019 , 19,	9
683	Cavity-Based 3D Cooling of a Levitated Nanoparticle via Coherent Scattering. 2019 , 122, 123601	61
682	Cavity-enhanced cantilever-enhanced photo-acoustic spectroscopy. 2019 , 144, 2291-2296	16
681	Arbitrary phase-locking in Mach-Zehnder interferometer. 2019 , 442, 148-151	0
680	Compact embedded device for lock-in measurements and experiment active control. 2019 , 90, 023106	9
679	Absolute frequency and isotope shift measurements of mercury S-P transition. 2019 , 27, 11069-11083	5
678	Controllable two-membrane-in-the-middle cavity optomechanical system. 2019 , 99,	23
677	A method for suppressing frequency drift of integrated microwave photonic filters based on difference scheme. 2019 ,	
676	A pathway to ultracold bosonic $^{23}\text{Na}^{39}\text{K}$ ground state molecules. 2019 , 21, 123034	5
675	Plug-and-Play Generation and Manipulation of Squeezing on Chip. 2019 ,	
674	Radio-Frequency Signal Generation Using Actively Frequency Stabilised Monolithically Integrated InP-Based Lasers. 2019 ,	
673	Storage of telecom-C-band heralded single photons with orbital-angular-momentum encoding in a crystal. 2019 , 64, 1577-1583	4
672	. 2019 ,	
671	Frequency Stabilization of an InP-Based Integrated Diode Laser Deploying Electro-Optic Tuning. 2019 , 31, 1983-1986	0

670 Laser System for the LISA Mission. **2019**,

669 Stabilization of Transverse Modes for a High Finesse Near-Unstable Cavity. **2019**, 9, 4580 1

668 Motional resonances of three-dimensional dual-species Coulomb crystals. **2019**, 52, 035002 0

667 p ν -Resolution Fiber Grating Sensor With Adjustable Measurement Range and Ultralow Probe Power. **2019**, 31, 19-22 11

666 Probing 10 μ stability and residual drifts in the cross-polarized dual-mode stabilization of single-crystal ultrahigh- optical resonators. **2019**, 8, 1 228

665 Sub-hertz fundamental linewidth photonic integrated Brillouin laser. **2019**, 13, 60-67 125

664 Squeezed vacuum states of light for gravitational wave detectors. **2019**, 82, 016905 49

663 A review of cavity-enhanced Raman spectroscopy as a gas sensing method. **2020**, 55, 393-417 19

662 The advanced Virgo longitudinal control system for the O2 observing run. **2020**, 116, 102386 7

661 Broadband reduction of quantum radiation pressure noise via squeezed light injection. **2020**, 14, 19-23 18

660 Development of an optical pressure measurement system using an external cavity diode laser with a wide tunable frequency range. **2020**, 151, 107090 17

659 Hybrid Integrated Semiconductor Lasers with Silicon Nitride Feedback Circuits. **2020**, 7, 4 33

658 Long-term digital frequency-stabilized laser source for large-scale passive laser gyroscopes. **2020**, 91, 013001 7

657 New algorithm for the Guided Lock technique for a high-Finesse optical cavity. **2020**, 117, 102405 5

656 Line-shape analysis for high J R-branch transitions of the oxygen B band. **2020**, 242, 106789 5

655 High-Bandwidth Tracking Method of Resonant Frequency for Sensing Resonators. **2020**, 38, 898-904 1

654 Electro-Optic Tuning of a Monolithically Integrated Widely Tuneable InP Laser With Free-Running and Stabilized Operation. **2020**, 38, 1887-1894 0

653 Continuous-variable quantum computing in the quantum optical frequency comb. **2020**, 53, 012001 35

652	Optical Atomic Clocks for Redefining SI Units of Time and Frequency. 2020 , 35, 531-545	2
651	Highly Sensitive Complicated Spectrum Analysis in Micro-Bubble Resonators Using the Orthogonal Demodulation Pound-Drever-Hall Technique. 2020 , 10, 6256	1
650	Noise Analysis of a Passive Resonant Laser Gyroscope. 2020 , 20,	4
649	The sonorous beat of optical waves in a Michelson interferometer. 2020 , 88, 612-616	
648	A Novel Method of Measuring Instantaneous Frequency of an Ultrafast Frequency Modulated Continuous-Wave Laser. 2020 , 20,	2
647	Cavity ring-down spectroscopy: recent technological advances and applications. 2020 , 83-120	2
646	Two-photon frequency comb spectroscopy of atomic hydrogen. 2020 , 370, 1061-1066	30
645	Optomechanical resonator-enhanced atom interferometry. 2020 , 3,	5
644	A cavity optomechanical locking scheme based on the optical spring effect. 2020 , 91, 103102	3
643	Trapping Yb171 atoms into a one-dimensional optical lattice with a small waist. 2020 , 102,	1
642	Detection of the clock transition in thulium atoms by using repump laser radiation. 2020 , 50, 566-570	4
641	Compensation of residual amplitude modulation fluctuations in an optoelectronic system for laser radiation frequency stabilisation. 2020 , 50, 590-594	3
640	Auxiliary lasers for Advanced Virgo Gravitational Wave detector using single pass Second Harmonic Generation in Periodically Poled Lithium Niobate crystal. 2020 , 1548, 012025	1
639	Quantum squeezing schemes for heterodyne readout. 2020 , 101,	1
638	. 2020 , 32, 875-878	
637	Ultra-stable silicon cavities for fundamental researches and applications. 2020 ,	
636	Long ULE Cavities with Relative Fractional Frequency Drift Rate below 5×10^{-16} /s for Laser Frequency Stabilization. 2020 , 47, 257-261	1
635	Whispering-Gallery-Mode Optical Microshell Resonator Infrared Detector. 2020 , 1-1	1

634	Optical-Optical Double-Resonance Absorption Spectroscopy of Molecules with KiloHertz Accuracy. 2020 , 11, 7843-7848	7
633	Frequency and temperature control for complex system engineering in optoelectronics and electronics: an overview. 2020 , 11, 7	1
632	An atomic Fabry-Perot interferometer using a pulsed interacting Bose-Einstein condensate. 2020 , 10, 15052	1
631	. 2020 , 38, 6379-6384	5
630	Magnetically induced optical transparency with an ultranarrow spectrum. 2020 , 102,	1
629	Ultracold Gas of Bosonic $^{23}\text{Na}^{39}\text{K}$ Ground-State Molecules. 2020 , 125, 083401	25
628	Pulsed triple frequency modulation for frequency stabilization and control of two lasers to an optical cavity. 2020 , 91, 085116	
627	Optical trapping of the transversal motion for an optically levitated mirror. 2020 , 102,	2
626	Analysis of Vibration Sensitivity Induced by the Elastic Deformation of Vertical Optical Reference Cavities. 2020 , 8, 194466-194476	0
625	Modulated Differential Wavefront Sensing: Alignment Scheme for Beams with Large Higher Order Mode Content. 2020 , 8, 81	
624	Interferometer Sensing and Control for the Advanced Virgo Experiment in the O3 Scientific Run. 2020 , 8, 85	7
623	Development of a Frequency Tunable Green Laser Source for Advanced Virgo+ Gravitational Waves Detector. 2020 , 8, 87	1
622	Atom interferometry with ultracold Mg atoms: frequency standard and quantum sensors. 2020 , 1508, 012002	0
621	Optical properties of a silicon ultrastable cavity with crystalline mirrors. 2020 , 1692, 012021	0
620	Towards the species of the auto relock schemes of the high-frequency feedback loops of the stabilization systems. 2020 , 1661, 012097	1
619	Assumption-free measurement of the quantum state of light: Exploring the sidebands of intense fields. 2020 , 102,	0
618	Operation of an optical atomic clock with a Brillouin laser subsystem. 2020 , 588, 244-249	9
617	Sensitivity and performance of the Advanced LIGO detectors in the third observing run. 2020 , 102,	84

616	NQontrol: An open-source platform for digital control-loops in quantum-optical experiments. 2020 , 91, 035114	4
615	Ultraprecision intersatellite laser interferometry. 2020 , 2, 022003	6
614	Coherent optical clock down-conversion for microwave frequencies with 10 instability. 2020 , 368, 889-892	31
613	Linear response theory and optical conductivity of Floquet topological insulators. 2020 , 101,	8
612	Twin beam quantum-enhanced correlated interferometry for testing fundamental physics. 2020 , 3,	7
611	Design of Real-Time Free Spectral Range Measurement Based on HOPLL Technique. 2020 , 20, 10607-10614	1
610	Measurement of geophysical effects on the large-scale gravitational-wave interferometer. 2020 , 29, 2050050	
609	Far Off-Resonance Laser Frequency Stabilization Technology. 2020 , 10, 3255	1
608	Nanophotonic phase noise filter in silicon. 2020 , 14, 234-239	10
607	Rabi spectroscopy of the clock transition in thulium atoms in a one-dimensional optical lattice. 2020 , 50, 220-224	5
606	Inverse design of all-dielectric parallel-plane mirror optical resonator. 2020 , 40, 100787	1
605	A Computationally Efficient Integrated Coupled Opto-Electronic Oscillator Model. 2020 , 38, 5430-5439	7
604	Development of an Interference Filter-Stabilized External-Cavity Diode Laser for Space Applications. 2020 , 7, 12	6
603	Miniature quantum frequency standard based on the phenomenon of coherent population trapping in vapours of 87Rb atoms. 2020 , 50, 576-580	6
602	The PVLAS experiment: A 25 year effort to measure vacuum magnetic birefringence. 2020 , 871, 1-74	26
601	Absolute frequency measurement of rubidium 5S _{1/2} P transitions. 2020 , 102,	7
600	High Spectral Purity Optical Source Stabilized on a Fiber Ring Resonator. 2020 , 32, 255-258	1
599	Broadband analysis and self-control of spectral fluctuations in a passively phase-stable Er-doped fiber frequency comb. 2020 , 101,	2

598	Resonance frequency measurement with accuracy and stability at the 10^{-2} level in a copper microwave cavity below 26 K by experimental optimization. 2020 , 31, 075011	1
597	Optical Frequency Combs in Quadratically Nonlinear Resonators. 2020 , 11,	11
596	High-Precision and High-Accuracy Column Dry-Air Mixing Ratio Measurement of Carbon Dioxide Using Pulsed 2- μm IPDA Lidar. 2020 , 58, 5804-5819	3
595	The metastable Q 3Ω state of ThO: a new resource for the ACME electron EDM search. 2020 , 22, 023013	6
594	Impact analysis of cavity length on transfer cavity frequency locking system for atomic inertial measurement device. 2020 , 10, 015340	1
593	Photonic integration for UV to IR applications. 2020 , 5, 020903	31
592	Sending-or-Not-Sending with Independent Lasers: Secure Twin-Field Quantum Key Distribution over 509 km. 2020 , 124, 070501	117
591	Dispersion engineering and measurement of whispering gallery mode microresonator for Kerr frequency comb generation. 2020 , 9, 1087-1104	27
590	Ultrahigh-Resolution Fiber-Optic Sensing Based on High-Finesse, Meter-Long Fiber Fabry-Perot Resonators. 2020 , 12, 1-9	4
589	Ultranarrow Linewidth Photonic-Atomic Laser. 2020 , 14, 1900293	17
588	An arm length stabilization system for KAGRA and future gravitational-wave detectors. 2020 , 37, 035004	5
587	Midinfrared magneto-optical trap of metastable strontium for an optical lattice clock. 2020 , 101,	4
586	Gravitational wave detector OGRAN as multi-messenger project of RAS-MSU. 2020 , 35, 2040007	2
585	Ppb-level formaldehyde detection system based on a 3.6 μm interband cascade laser and mode-locked cavity enhanced absorption spectroscopy with self-calibration of the locking frequency. 2020 , 105, 103205	3
584	Resonant two-photon spectroscopy of the $2s3d$ $1D_2$ level of neutral Be9. 2020 , 101,	3
583	Quantum phase estimation with a stable squeezed state. 2020 , 74, 1	1
582	Recent Advances on Quantum Key Distribution Overcoming the Linear Secret Key Capacity Bound. 2021 , 4, 2000084	5
581	A compact sub-hertz linewidth Fabry Perot cavity frequency stabilized laser for space application. 2021 , 136, 106777	6

580	In-situ measurement of mirror deformation using dual Fabry-Perot cavities for optical pressure standard. 2021 , 173, 108496	4
579	Extreme-ultraviolet frequency combs for precision metrology and attosecond science. 2021 , 15, 175-186	18
578	Heisenberg-limited quantum interferometry with multiphoton-subtracted twin beams. 2021 , 103,	0
577	A Double-Pass Cavity-Enhanced Spectrometer with a Polarization Analyzed Readout. 2021 ,	
576	Electro-optic frequency combs for rapid interrogation in cavity optomechanics. 2021 , 46, 645-648	3
575	Tunable fiber Fabry-Perot cavities with high passive stability. 2021 , 29, 974-982	5
574	Photonic Microwave Oscillator based on an Ultra-stable-laser and an Optical Frequency Comb. 2021 ,	1
573	Phase-locking of octave-spanning optical frequency comb based on Kerr-lens mode-locked Yb:KYW laser to reference laser. 2021 , 60, 022003	0
572	The zero-crossing temperature of the ultra-stable optical reference cavity is measured by the optical transition spectrum. 2021 , 0-0	
571	Thermal compensation in quantum frequency standards based on the effect of coherent population trapping. 2021 , 8-12	
570	Microwaves in Quantum Computing. 2021 , 1,	18
569	Calculating the longitudinal and vertical displacements of a moving object by digital image processing methods. 2021 , 258, 02005	2
568	References. 2021 , 485-551	
567	Simultaneous laser frequency stabilization to an optical cavity and an iodine frequency reference. 2021 , 46, 360-363	2
566	Cold atom clocks and their applications in precision measurements. 2021 , 30, 013701	2
565	Trace gas measurements using cavity ring-down spectroscopy. 2021 , 413-441	
564	Engineering the Quantum Scientific Computing Open User Testbed. 2021 , 2, 1-32	4
563	Stabilizing a laser frequency by the Pound-Drever-Hall technique with an acousto-optic modulator. 2021 , 60, 1159-1163	2

562	422 Million intrinsic quality factor planar integrated all-waveguide resonator with sub-MHz linewidth. 2021 , 12, 934	35
561	High bandwidth laser frequency locking for wideband noise suppression. 2021 , 29, 7916-7924	0
560	Atom-Photon Interactions in Atomic Cladded Waveguides: Bridging Atomic and Telecom Technologies. 2021 , 8, 879-886	1
559	Higher-order Hermite-Gauss modes for gravitational waves detection. 2021 , 103,	5
558	High-precision cavity spectroscopy using high-frequency squeezed light. 2021 , 29, 6053-6068	1
557	Optical Frequency Standard Based on Strontium Cold Atoms. 2021 , 63, 959-965	
556	Proposal for phase-sensitive heterodyne detection in large-scale passive resonant gyroscopes. 2021 , 29, 9737-9748	0
555	Active position stabilization of an atomic cloud in a narrow-line magneto-optical trap using a Raspberry Pi. 2021 , 92, 033204	1
554	Prototype of a monolithic cavity-based ultrastable optical reference for space applications. 2021 , 60, 2877-2885	0
553	A Short Review of Cavity-Enhanced Raman Spectroscopy for Gas Analysis. 2021 , 21,	7
552	Stimulated Raman Adiabatic Passage in Optomechanics. 2021 , 126, 113601	6
551	Direct determination of complex amplitude of arbitrary ultrashort pulses via spectral phase conjugation. 2021 , 23, 033047	0
550	Quantum nanophotonic and nanoplasmonic sensing: towards quantum optical bioscience laboratories on chip. 2021 , 10, 1387-1435	9
549	Demonstration of a dual-pass differential Fabry-Pérot interferometer for future interferometric space gravitational wave antennas. 2021 , 38, 085018	2
548	In transition: a new journey. 2021 , 127, 1	
547	Application of frequency-locking cavity-enhanced spectroscopy for highly sensitive gas sensing: a review. 1-33	4
546	The Quantum Technology Puzzle Game. 2021 , 18, 67-71	
545	Ultra-stable 1064-nm neodymium-doped yttrium aluminum garnet lasers with 2.5 $\times 10$ frequency instability. 2021 , 92, 043001	2

544	Design and Application of DFB Laser Systems and Optical Fibre Networks for Near-IR Gas Spectroscopy. 2021 , 111-158	
543	Effects of a quiet point on a Kerr microresonator frequency comb. 2021 , 4, 1348	1
542	Uncertainty Evaluation on a 10.52 GHz (5 dBm) Optoelectronic Oscillator Phase Noise Performance. 2021 , 12,	5
541	Point absorbers in Advanced LIGO. 2021 , 60, 4047-4063	8
540	All-optical pulse peak power stabilization and its impact in phase-OTDR vibration detection. 2021 , 4, 1430	3
539	Line parameters of the P-branch of (30012) <- (00001) 12C16O2 band measured by comb-assisted, Pound-Drever-Hall locked cavity ring-down spectrometer. 2021 , 264, 107555	3
538	Transportable Strontium Optical Lattice Clocks Operated Outside Laboratory at the Level of 10 ⁻¹⁸ Uncertainty. 2021 , 4, 2100015	2
537	A back-linked Fabry-Pérot interferometer for space-borne gravitational wave observations. 2021 , 2021,	2
536	Dual-wavelength locking technique for coherent 2-µm differential absorption lidar applications. 2021 , 60, 4259-4265	3
535	Differential wavefront sensing and control using radio-frequency optical demodulation. 2021 , 29, 15995-16006	2
534	Active vibration isolation of ultra-stable optical reference cavity of space optical clock. 2021 , 112, 106633	4
533	A brief overview of 8 m prototype facility of laser interferometer for Taiji pathfinder mission. 2021 , 127, 1	0
532	Experimental Investigation on Dynamic Properties and Noise Reduction in Actively Mode-Locked Lasers by External CW Optical Injection. 2021 , 39, 2924-2930	0
531	Assessment of gas molar density by gas modulation refractometry: A review of its basic operating principles and extraordinary performance. 2021 , 179, 106121	3
530	Signal-recycled weak measurement for ultrasensitive velocity estimation*. 2021 , 30, 060601	
529	Investigation of the transition at a wavelength of 506 nm, intended for deep cooling of thulium atoms. 2021 , 51, 479-483	2
528	High stability laser locking to an optical cavity using tilt locking. 2021 , 46, 3199-3202	1
527	. 2021 , 39, 3846-3854	2

526	Two-Carrier Scheme: Evading the 3'dB Quantum Penalty of Heterodyne Readout in Gravitational-Wave Detectors. 2021 , 126, 221301	
525	Frequency stabilization of a quantum cascade laser by weak resonant feedback from a Fabry-Perot cavity. 2021 , 46, 3057-3060	5
524	Optically synchronized fibre links using spectrally pure chip-scale lasers. 2021 , 15, 588-593	6
523	Resonant Stimulated Photorefractive Scattering. 2021 , 127, 033902	
522	Absolute frequency readout derived from ULE cavity for next generation geodesy missions. 2021 , 29, 26014-26027	2
521	Comb-locked cavity-assisted double-resonance molecular spectroscopy based on diode lasers. 2021 , 92, 073003	0
520	Digitally controlled laser frequency stabilization for a ring laser using saturated absorption. 2021 , 92, 073004	1
519	Tunable dual-comb spectrometer for mid-infrared trace gas analysis from 3 to 4.7 μm . 2021 , 29, 25449-25461	2
518	Dynamical Backaction in an Ultrahigh-Finesse Fiber-Based Microcavity. 2021 , 16,	4
517	Thermal Noise in Cubic Optical Cavities. 2021 , 8, 261	0
516	A stable deep-ultraviolet laser for laser cooling of mercury atoms. 2021 , 139, 106956	0
515	Vibration modes of a transportable optical cavity. 2021 , 29, 24264-24277	0
514	The CMB, Preferred Reference System, and Dragging of Light in the Earth Frame. 2021 , 7, 311	1
513	Cavity-enhanced frequency doubling with a third-order quasi-phase-matched PPKTP crystal. 2021 , 38, 2775	
512	Stable high power deep-uv enhancement cavity in ultra-high vacuum with fluoride coatings. 2021 , 29, 27450-27459	3
511	Compact and high reliable frequency-stabilized laser system at 589 nm based on the distributed-feedback laser diodes. 2021 , 127, 1	
510	Advanced Virgo: Status of the Detector, Latest Results and Future Prospects. 2021 , 7, 322	1
509	1.6 GHz Frequency Scanning of a 482 nm Laser Stabilized Using Electromagnetically Induced Transparency. 2021 , 33, 780-783	0

508	Research on Shock Acceleration Limit of an Ultra-Stable Optical Cavity for Space Applications Based on the Finite Element Methodology. 2021 , 11, 998	
507	Investigation and Mitigation of Noise Contributions in a Compact Heterodyne Interferometer. 2021 , 21,	4
506	A squeezed quantum microcomb on a chip. 2021 , 12, 4781	11
505	A high-power and low-noise 532-nm continuous-wave laser for quantum gas microscopy. 2021 , 92, 083202	0
504	Precise spectroscopy of Er:YSiO based on laser frequency stabilization using a fiber laser comb. 2021 , 29, 27137-27148	0
503	Noise suppression methods in picometer heterodyne displacement interferometer. 2021 ,	
502	An ultralow-noise superconducting radio-frequency ion trap for frequency metrology with highly charged ions. 2021 , 92, 083203	3
501	Quantum frequency conversion of vacuum squeezed light to bright tunable blue squeezed light and higher-order spatial modes. 2021 , 29, 29828-29840	3
500	Axion dark matter search using arm cavity transmitted beams of gravitational wave detectors. 2021 , 104,	2
499	Two-color, intracavity pump-probe, cavity ringdown spectroscopy. 2021 , 155, 104201	0
498	International Workshop on Next Generation Gamma-Ray Source.	1
497	Locking Multi-Laser Frequencies to a Precision Wavelength Meter: Application to Cold Atoms. 2021 , 21,	4
496	Compact fiber-ring resonator for blue external cavity diode laser stabilization. 2021 , 29, 37200-37209	
495	New method for residual amplitude modulation control in fibered optical experiments. 2021 , 29, 36211-36225	2
494	48 -cm-long room-temperature cavities in vertical and horizontal orientations for Sr optical clock. 2021 , 60, 9151-9159	1
493	Quantum sensing of the electron electric dipole moment using ultracold entangled Fr atoms. 2021 , 6, 044008	0
492	Test of Lorentz invariance using rotating ultra-stable optical cavities. 2021 , 416, 127666	0
491	Broadening the dynamic range of the Pound-Drever-Hall frequency stabilization technique. 2021 , 30, 104835	2

- 490 Tailored optical clock transition in 40Ca^+ . **2021**, 18, 100326
- 489 Simultaneous observation of speed dependence and Dicke narrowing for self-perturbed P-branch lines of O2 B band. **2021**, 276, 107927 3
- 488 Efficient Passive Signal Linewidth Narrowing by Q-Engineered (Q) Parametric Oscillators. **2021**,
- 487 Biogenic Fraction Determination in Fuel Blends by Laser-Based $^{14}\text{CO}_2$ Detection. **2021**, 2, 2000069 3
- 486 Titanium Oxide Composites with Graphene and Laser-Induced Graphene for the Environmental Applications. **2021**, 27-58 0
- 485 Optical Frequency Measurements Relying on a Mid-Infrared Frequency Standard. **2001**, 249-272 3
- 484 Single-Ion Optical Frequency Standards and Measurement of their Absolute Optical Frequency. **2001**, 153-195 6
- 483 Laser Spectroscopy of the 2S Lamb Shift in Hydrogenic Silicon. **2001**, 664-671 1
- 482 Advances in Solid State Lasers. **1994**, 225-250 2
- 481 An Introduction to Trapped Ions, Scalability and Quantum Metrology. **2014**, 211-245 1
- 480 State-Dependent Hyperfine Coupling of HF Studied with a Frequency-Controlled Color-Center Laser Spectrometer. **1983**, 138-143 2
- 479 Observation of Energy Level Shifts of Rydberg Atoms Due to Thermal Fields. **1983**, 229-232 1
- 478 Towards measuring nuclear-spin-dependent and isotopic-chain atomic parity violation in ytterbium. **2007**, 177-183 2
- 477 Fiber-Optic Resonators for Strain-Acoustic Sensing and Chemical Spectroscopy. **2014**, 463-484 1
- 476 Cavity Enhanced Absorption Spectroscopy with Optical Feedback. **2014**, 163-209 17
- 475 NICE-OHMS Frequency Modulation Cavity-Enhanced Spectroscopy Principles and Performance. **2014**, 211-251 3
- 474 Cavity-Enhanced Direct Frequency Comb Spectroscopy. **2014**, 271-321 12
- 473 Experimental Studies of Squeezed-State Generation by Four-Wave Mixing in an Optical Cavity. **1986**, 46-57 1

472	Ultra-Stable Cavity-Stabilized Lasers with Subhertz Linewidth. 1989 , 162-173	12
471	Physics and Applications of T-Rays. 2014 , 149-175	1
470	Laser Interferometer Gravitational Wave Detectors. 1984 , 397-412	2
469	Injection locking and coherent summation of argon ion lasers. 1984 , 222-225	2
468	Comb-locked Lamb-dip spectrometer. 2016 , 6, 27183	22
467	Optoelectronic difference-frequency synthesiser: terahertz-waves for high-resolution spectroscopy. 2009 , 45, 21201	5
466	Compact ultrastable laser system for spectroscopy of $2S_{1/2} \rightarrow 2D_{3/2}$ quadrupole transition in $^{171}\text{Yb}^+$ ion. 2020 , 50, 850-854	5
465	Low phase noise squeezed vacuum for future generation gravitational wave detectors. 2020 , 37, 185014	2
464	3 m \otimes m heterolithic passive resonant gyroscope with cavity length stabilization. 2020 , 37, 215008	4
463	Shelving spectroscopy of the strontium intercombination line. 2020 , 53, 085005	1
462	Automatic mode-matching of a Fabry-Pérot cavity with a single photodiode and spatial light modulation. 2020 , 22, 105605	1
461	Optimization of a Fabry-Perot cavity operated in burst mode for Compton scattering experiments. 2018 , 21,	5
460	Continuous High-Sensitivity and High-Bandwidth Atomic Magnetometer. 2020 , 14,	11
459	Deterministic Distribution of Multipartite Entanglement and Steering in a Quantum Network by Separable States. 2020 , 125, 260506	7
458	Isotope-shift spectroscopy of the \rightarrow and \leftarrow transitions in strontium.. 2019 , 1,	13
457	Improving the Q Factor of an Optical Atomic Clock Using Quantum Nondemolition Measurement. 2020 , 10,	6
456	The versatile X-ray beamline of the Munich Compact Light Source: design, instrumentation and applications. 2020 , 27, 1395-1414	17
455	Astro-comb calibrator and spectrograph characterization using a turn-key laser frequency comb. 2017 , 3, 1	6

454	Analysis of the design of a passive resonant miniature optical gyroscope based on integrated optics technologies. 2017 , 56, 1	5
453	The compact x-ray source ThomX. 2017 ,	2
452	Progress on Raman laser for sodium resonance fluorescence lidar. 2018 ,	5
451	Nd: YAG laser frequency stabilized for space applications. 2019 ,	1
450	Demonstration of a length control system for ALPS II with a high finesse 9.2 m cavity. 2020 , 7,	2
449	Ultra-Narrow Laser for Optical Frequency Reference. 2012 , 121, 614-621	10
448	Frequency stabilization method for transition to a Rydberg state using Zeeman modulation. 2020 , 59, 2108-2113	9
447	Coherent narrow-linewidth optical frequency synthesis across the optical telecommunication band. 2020 , 59, 4865-4871	3
446	Optics mounting and alignment for the central optical bench of the dual cavity enhanced light-shining-through-a-wall experiment ALPS II. 2020 , 59, 8839-8847	2
445	Mode matching error signals using radio-frequency beam shape modulation. 2020 , 59, 9884-9895	5
444	Phase locking of a mode-locked titanium-sapphire laser-based optical frequency comb to a reference laser using a fast piezoelectric actuator. 2017 , 56, 3615-3621	2
443	Calibration of a high spectral resolution lidar using a Michelson interferometer, with data examples from ORACLES. 2018 , 57, 6061-6075	31
442	Suppressing residual amplitude modulation to the 10 level in optical phase modulation. 2019 , 58, 690-694	13
441	Gas-phase Raman spectroscopy of non-reacting flows: comparison between free-space and cavity-based spontaneous Raman emission. 2019 , 58, C92-C103	2
440	Electro-optic frequency combs. 2020 , 12, 223	56
439	All-solid-state, continuous-wave, 195 nm light generation in BaB_2O_4 . 2001 ,	1
438	Coherent Pulse Stacking Amplification of Nanosecond and Femtosecond Pulses. 2014 ,	1
437	Single Mode Tunable All Solid-State UV Laser at the 281.6 nm Clock Transition of $^{199}\text{Hg}^+$. 2009 ,	1

436	A Comparison Between Digital and Analog Pound-Drever-Hall Laser Stabilization. 2009 ,	1
435	Sub-fm/Hz ^{1/2} displacement measurement on MgF ₂ whispering gallery mode microcavity. 2020 ,	0
434	An all-solid-state Argon ion laser replacement. 2013 ,	1
433	Laser Frequency Stabilization Using Pound-Drever-Hall Technique with an Integrated TiO ₂ Athermal Resonator. 2016 ,	3
432	Ultra-Narrow Linewidth Chip-Scale Heterogeneously Integrated Silicon/III-V Tunable Laser Pumped Si/Si ₃ N ₄ SBS Laser. 2020 ,	2
431	Experimental pre-assessing of two-mode entanglement in Gaussian state mixing. 2017 , 34, 404	1
430	Frequency stabilization of a 650 nm laser to an I ₂ spectrum for trapped Ba ¹³⁸⁺ ions. 2019 , 36, 243	1
429	Ability of gas modulation to reduce the pickup of fluctuations in refractometry. 2020 , 37, 1956	6
428	Picostrain-resolution fiber-optic sensing down to sub-10 mHz infrasonic frequencies. 2020 , 37, 2773	2
427	An Instrument for Time-Resolved Photoelectron Spectroscopy at 87 MHz. 2017 ,	1
426	30 W, sub-kHz frequency-locked laser at 532 nm. 2018 , 26, 33756-33763	4
425	Improvement of the intensity noise and frequency stabilization of Nd:YAP laser with an ultra-low expansion Fabry-Perot cavity. 2019 , 27, 3247-3254	8
424	Frequency metrology of molecules in the near-infrared by NICE-OHMS. 2019 , 27, 6106-6115	8
423	Frequency locking of semiconductor lasers to RF oscillators using hybrid-integrated opto-electronic oscillators with dispersive delay lines. 2019 , 27, 10729-10737	8
422	Frequency-comb-based laser system producing stable optical beat pulses with picosecond durations suitable for high-precision multi-cycle terahertz-wave generation and rapid detection. 2019 , 27, 11037-11056	7
421	High-resolution trace gas detection by sub-Doppler noise-immune cavity-enhanced optical heterodyne molecular spectrometry: application to detection of acetylene in human breath. 2019 , 27, 17940-17953	8
420	High-performance phase camera as a frequency selective laser wavefront sensor for gravitational wave detectors. 2019 , 27, 18533-18548	7
419	Generation and measurement of a squeezed vacuum up to 100 MHz at 1550 nm with a semi-monolithic optical parametric oscillator designed towards direct coupling with waveguide modules. 2019 , 27, 18900-18909	7

4 ¹⁸	Comb-assisted, Pound-Drever-Hall locked cavity ring-down spectrometer for high-performance retrieval of transition parameters. 2019 , 27, 31850-31863	6
4 ¹⁷	Method for suppressing the frequency drift of integrated microwave photonic filters. 2019 , 27, 33575-33585	6
4 ¹⁶	Long-term stable optical cavity for special relativity tests in space. 2019 , 27, 36206-36220	8
4 ¹⁵	Cavity-enhanced non-destructive detection of atoms for an optical lattice clock. 2019 , 27, 37099-37110	8
4 ¹⁴	Robust kHz-linewidth distributed Bragg reflector laser with optoelectronic feedback. 2019 , 27, 37714-37720	3
4 ¹³	1.4 million Q factor SiN micro-ring resonator at 780 nm wavelength for chip-scale atomic systems. 2020 , 28, 4010-4020	7
4 ¹²	Cavity-enhanced sum-frequency generation of blue light with near-unity conversion efficiency. 2020 , 28, 3975-3984	5
4 ¹¹	Sub-kHz-linewidth VECSELs for cold atom experiments. 2020 , 28, 15943-15953	7
4 ¹⁰	Phase-stabilized all-fiber-based mode-filtering technique for generating a gigahertz frequency comb. 2020 , 28, 17502-17510	1
4 ⁰⁹	Cavity ring-down spectroscopy based on a comb-locked optical parametric oscillator source. 2020 , 28, 27600-27607	4
4 ⁰⁸	Active modulation of intracavity laser intensity with the Pound-Drever-Hall locking for photoacoustic spectroscopy. 2020 , 45, 1148-1151	6
4 ⁰⁷	Widely tunable cavity-enhanced frequency combs. 2020 , 45, 2123-2126	2
4 ⁰⁶	Microresonator-stabilized extended-cavity diode laser for supercavity frequency stabilization. 2017 , 42, 1249-1252	3
4 ⁰⁵	Multiple wavelength stabilization on a single optical cavity using the offset sideband locking technique. 2017 , 42, 1970-1973	13
4 ⁰⁴	Phase transfer between three visible lasers for coherent population trapping. 2019 , 44, 859-862	3
4 ⁰³	946-nm Nd:YAG digital-locked laser at 1.1 μ s and transfer-locked to a cryogenic silicon cavity. 2019 , 44, 1781-1784	3
4 ⁰²	Optical AC coupling power stabilization at frequencies close to the gravitational wave detection band. 2019 , 44, 1916-1919	2
4 ⁰¹	Ultrasensitive photoacoustic detection in a high-finesse cavity with Pound-Drever-Hall locking. 2019 , 44, 1924-1927	21

400	Large-scale passive laser gyroscope for earth rotation sensing. 2019 , 44, 2732	12
399	Narrow-linewidth fiber amplifier for gravitational-wave detectors. 2019 , 44, 3833-3836	14
398	Thermal and acoustic noise insensitive Brillouin random fiber laser based on polarization-maintaining random fiber grating. 2019 , 44, 4195-4198	12
397	Experimental generation of a flat-top beam profile in a stable ring cavity. 2019 , 44, 4428-4431	1
396	Artificial modulation-free Pound-Drever-Hall method for laser frequency stabilization. 2019 , 44, 5816-5819	9
395	Generation of 140 W of single-frequency light at 770 nm by intracavity frequency doubling. 2020 , 45, 339	10
394	SI-traceable molecular transition frequency measurements at the 10^{-12} relative uncertainty level. 2020 , 7, 1209	16
393	Ultra-narrow linewidth Brillouin laser with nanokelvin temperature self-referencing. 2019 , 6, 152	22
392	Large linewidth reduction in semiconductor lasers based on atom-like gain material. 2019 , 6, 1071	25
391	State-independent quantum state tomography by photon-number-resolving measurements. 2019 , 6, 1356	10
390	Nonlinear filtering of an optical pulse train using dissipative Kerr solitons. 2019 , 6, 1386	9
389	Residual phase noise suppression for Pound-Drever-Hall cavity stabilization with an electro-optic modulator. 2018 , 1, 116	6
388	Green Synthesis of Silver/ Polystyrene Nano composite (Ag/PS NCs) Via Plant Extracts Beginning a New Era in Drug Delivery. 2018 , 11, 1-9	1
387	Physics news on the Internet. 2006 , 176, 1353	14
386	Mid-infrared cavity ring-down spectroscopy using DFB quantum cascade laser with optical feedback for radiocarbon detection. 2020 , 59, 092007	3
385	Precision spectroscopy of helium using a laser-cooled atomic beam. 2012 , 61, 170601	7
384	Design and measurement of a magnetic field for precision spectroscopy of helium. 2014 , 63, 123201	4
383	Strontium optical lattice clock. 2018 , 67, 160604	4

- 382 Phase-Modulation-Amplifying Hollow-Core Fiber Photothermal Interferometry for Ultrasensitive Gas Sensing. **2021**, 1-1 2
- 381 Partial Compensation of Thermal Noise in the Fundamental Mode of an Optical Cavity. **2021**, 48, 243-249
- 380 Laser Frequency Noise in Next Generation Gravitational-Wave Detectors. 5
- 379 Absolute frequency measurement of the 6D5/2 level of neutral Cs133 using two-photon spectroscopy. **2021**, 104, 1
- 378 Semiconductor laser active frequency stabilization technologies: a review. **2021**, 79, 795
- 377 Flexible terahertz opto-electronic frequency comb light source tunable over 3.5 THz. **2021**, 46, 5715-5718 1
- 376 Frequency domain control of femtosecond pulse trains with Fabry-Perot reference cavities for optical frequency metrology. **2000**,
- 375 Measurement of the thermal nonlinear refractive index of air at 1.064 microns using a cw laser. **2000**,
- 374 External Laser Stabilization. **2002**, 51-59
- 373 Beat measurements of single-frequency lasers independently frequency-locked to thermally shielded high-finesse cavities. **2002**,
- 372 Advanced Readout Configurations for the Gravitational Wave Detector AURIGA. **2002**, 317-331
- 371 Cavity Cooling with a Hot Cavity. **2002**, 305-312 2
- 370 Fast-Beam Laser Spectroscopy of Helium-like Silicon. **2003**, 103-108
- 369 Ultrastable modelocked diode lasers. **2003**,
- 368 Lasers as Spectroscopic Light Sources. **2003**, 221-367
- 367 20 Watt CW All-Solid-State 589-nm Sodium Beacon Excitation Source Based on Doubly Resonant Sum-Frequency Generation in LBO. **2003**, 1
- 366 Spectroscopic Instrumentation. **2003**, 97-219 1
- 365 Accurate Optical Frequency Standards in the Optical Fiber Communication Band. **2003**, 31, 433-437

- 364 Efficient Operation of an All-Solid-State Synchronously- Pumped Lithium Triborate Optical Parametric Oscillator. **2004**,
- 363 Amplitude and frequency stability of a 5 W injection-locked, laser-diode pumped, Nd:YAG miniature-slab laser. **2004**,
- 362 Saturated absorption spectroscopy of $^{13}\text{C}_2\text{H}_2$ in the 1550 nm region. **2004**, 15, 177-182
- 361 Diode Laser Stabilization for Coherent Driving of Rare Earth Ions. **2005**,
- 360 Locking Lasers with Large FM Noise to High Q Cavities. **2005**,
- 359 LASER TECHNOLOGIES FOR LASER GUIDED ADAPTIVE OPTICS. **2006**, 207-248
- 358 Selected Applications. **2006**, 579-622
- 357 Thermal Loading of Optical Resonators for Future Gravitational-Wave Detectors. **2007**,
- 356 LISA, the Laser Interferometer Space Antenna, Requires the Ultimate in Lasers, Clocks, and Drag-Free Control. **2008**, 427-455
- 355 Laser Linewidth Reduction at 1550nm Using the Pound-Drever-Hall Technique. **2008**,
- 354 Generation of Quadrature Squeezed State of Light with High Squeezing Level and High Purity. **2008**, 36, 399-403
- 353 OPO resonator length stabilisation for injection seeding using fibre coupled heterodyne detection. **2008**,
- 352 210 W single-frequency laser with 88% of output power in TEM₀₀ mode for Advanced LIGO. **2009**,
- 351 Testing the Stability of the Fine Structure Constant in the Laboratory. **2009**, 319-340
- 350 A Stabilized Fiber Laser for Low Frequency, High Resolution Sensing. **2009**,
- 349 Multiwatt high-efficiency CW single-mode visible lasers for ultrahigh-resolution displays. **2009**,
- 348 A Shot Noise Limited Fiber Laser Source. **2009**,
- 347 Frequency Stabilized Mode Locked Laser with 1000 Finesse Intracavity Etalon. **2009**,

- 346 Ultra-low Jitter Frequency Stabilized Mode-locked Laser. **2009**,
- 345 Frequency stabilized and doubled Nd:YLF laser: an all-solid-state local oscillator for a calcium optical atomic clock. **2009**,
- 344 Highly Stable Diode-laser pumped, Idler Resonant CW OPO based on MgO:PPLN. **2010**,
- 343 Radium ion: a candidate for measuring atomic parity violation. **2010**, 261-267
- 342 A Pump-Resonant Signal-Resonant Optical Parametric Oscillator for Spectroscopic Breath Analysis. **2010**,
- 341 Measurement of the FSR of a high finesse etalon with 2.5 kHz accuracy using a narrow-linewidth frequency swept laser. **2010**,
- 340 Linewidth Reduction of a Yellow Laser by a Super-cavity and the Measurement of the Cavity Finesse. **2010**, 21, 123-128
- 339 Optimization of electro-optical parameter of optical frequency standard system based on modulation transfer spectroscopy technique. **2011**, 60, 124214 1
- 338 The Hansch-Couillaud frequency locking mechanism of dual-wavelength external cavity resonance system based on diffusion bonded KTP crystal. **2011**, 60, 104210 1
- 337 Characteristics of Laser System Used in Large-Scale Cryogenic Gravitational Wave Telescope. **2011**, 54, 604-609
- 336 Cavity Optomechanics with Silicon Nitride Membrane Gratings. **2011**,
- 335 Strength Physics at Nano-scale and Application of Optical Interferometry. **2011**, 95-102
- 334 Three-wavelength multiplexer/demultiplexer based on photonic crystal ring resonator and cavities. **2011**, 0
- 333 Optical Configuration and Control of Ultra-sensitive Gravitational Wave Detectors. **2011**, 54, 597-603
- 332 Laser Spectroscopy. **2012**, 367-400
- 331 Experimental Techniques. **2012**, 35-79
- 330 Dielectric Optical Resonators for Mechanical and Chemical Sensing Using Frequency Combs. **2012**,
- 329 Theoretical Background. **2012**, 11-39

- 328 Quantum vacuum magnetic birefringence. **2012**, 157-162
- 327 Laser Coherence Enhancement by Extra-Cavity Parametric Mixing. **2012**, 1
- 326 Experiment Setup. **2012**, 67-85
- 325 Optically Injection-locked Green-pumped Singly Resonant CW OPO based on Self-Guided Operation in a MgO:PPLN. **2012**,
- 324 Laser Coherence Enhancement by Extra-Cavity Parametric Mixing. **2012**, 1
- 323 Fourier Transform Direct Frequency Comb Spectroscopy in the Near- and Mid-Infrared. **2013**,
- 322 Cavity enhancement of ps pulses with 30 000 finesse. **2013**,
- 321 Non-steady-state enhancement cavities using pulse-dumping as power scaling concept of femtosecond lasers. **2013**, 1
- 320 Génération d'un faisceau polarisé γ à haut flux par diffusion Compton : l'expérience Mighty Laser. **2013**,
- 319 Closed-loop displacement control system for piezoelectric transducer based on optical frequency comb. **2013**, 62, 070702 5
- 318 Ultrahigh Resolution Optical Fiber Strain Sensor for Crustal Deformation Measurement. **2013**,
- 317 Introduction. **2014**, 1-15
- 316 Simulation Study into $(\mathrm{LG})_{\{33\}}$ Mode Interferometry and Production. **2014**, 41-66
- 315 Tabletop Demonstrations of LG Mode Production and Cleaning. **2014**, 67-97
- 314 Applications of NICE-OHMS to Molecular Spectroscopy. **2014**, 253-270 1
- 313 Periodically-Poled Ferroelectric Crystals Based OPO: A Powerful Source for Precision Spectroscopy. **2014**, 453-473
- 312 Readout, Sensing, and Control. **2014**, 153-192 0
- 311 Intensity noise analysis of a fibre laser after passing through an optical mode cleaner. **2014**, 63, 194203 2

- 310 Progress of Highly Frequency-Stabilized Lasers and Their Applications. **2014**, 42, 5
- 309 Gas Analyzer with Cavity Enhanced Amplitude Modulated Laser Absorption Spectroscopy. **2014**,
- 308 Laser frequency division by dual-frequency modulation. **1985**,
- 307 Laser Frequency Division and Stabilization. **1986**, 187-190
- 306 Stabilizing Lasers for Applications in Quantum Optics. **1986**, 273-284 4
- 305 Application of Squeezed-State Light to Laser Stabilization. **1987**, 146-149 1
- 304 Towards the Ultimate Laser Resolution. **1987**, 376-380 1
- 303 Frequency Stabilization of Highly Coherent AlGaAs Diode Lasers. **1989**, 236-241 0
- 302 Laser Stabilization Using Squeezed Light. **1989**, 29-38
- 301 Coherent Multiple Pulse Spectroscopy of the Hydrogen 1S-2S Transition. **1989**, 110-112
- 300 Binaries and Pulsars as gravitational Wave Sources: Possibility of Direct Detection By Ground Based Experiments. **1990**, 639-691
- 299 Efficient Frequency Doubling of a Self-Starting Additive-Pulse Mode-Locked Diode-Pumped Nd:YAG Laser. **1991**,
- 298 Der Laser als spektroskopische Lichtquelle. **1991**, 147-244
- 297 3.5 watt cw 532 nm radiation by resonant external cavity SHG of an 8.5 watt Nd:YAG laser in LBO. **1991**,
- 296 Excited State Interactions in Stabilized Lasers. **1992**, 591-600
- 295 Der Laser als spektroskopische Lichtquelle. **1993**, 147-244
- 294 Frequency Stabilized Ti:Sapphire Laser for High Resolution Spectroscopy of Atomic Hydrogen. **1993**, 331-345
- 293 Single-frequency-Laser. **1995**, 222-269

- 292 Continuous-Wave Squeezed-Light Generation Using a Triply Resonant Optical Parametric Oscillator. **1995**, 479-486 1
- 291 Spectroscopic Instrumentation. **1996**, 99-221
- 290 CW 355 nm Generation by Doubly-Resonant Sum-Frequency Mixing in an External Resonator. **1996**,
- 289 Lasers as Spectroscopic Light Sources. **1996**, 222-366
- 288 Diode laser pumped, 9-11 μ m range doubly-resonant difference-frequency spectrometer using AgGaS₂ crystal. **1998**,
- 287 High power operation of a continuously-tunable doubly resonant optical parametric oscillator. **1998**,
- 286 Continuous Wave Laser Behavior. **1998**, 249-304 0
- 285 A three-diode-laser, terahertz-difference-frequency synthesizer and its applications toward far-infrared spectroscopy of ammonia and water. **1999**,
- 284 A frequency-stabilised highly dense WDM comb generator. **1999**,
- 283 Absolute frequency control in WDM systems. **1999**,
- 282 Master Oscillator Power Amplifier Systems for Ion Beam Cooling. **2015**,
- 281 Squeezed State Generation for Gravitational-Wave Detection. **2015**, 65-83 1
- 280 Multiplexed Quasi-static Strain Sensor with High Sensing Rate and Nano-strain Resolution. **2015**, 1
- 279 A novel frequency stabilization method for the seed laser of the pulse optical parametric oscillator in differential absorption lidar. **2015**, 64, 020702 1
- 278 A narrow linewidth diode laser at 243 nm. **2015**, 64, 134205 2
- 277 Discrete Fourier Transform Infrared Spectroscopy Using Precisely Periodic Pulse. **2015**,
- 276 Frequency Division in the Optical Frequency Region and Generation of Phase-Locked High Harmonics. **2015**, 43, 517
- 275 Active and passive stabilization of a high-power violet frequency-doubled diode laser. **2016**,

- 274 High visibility time-energy entangled photons from a silicon microdisk resonator. **2016,**
- 273 Development of Stable Optical Cavity for Controlling the Light Source to Collimate Yb Beam. **2016,** 44, 121
- 272 A 10-GHz Optical Frequency Comb from a SCOWA-Based Mode-Locked Laser with 600-Hz Optical Mode Linewidth. **2016,**
- 271 A broadband passive cavity for analyzing and filtering the noise of a femtosecond laser. **2016,** 65, 134203
- 270 19-nJ Five-Cycle Pulses from a 2- μ m Degenerate Optical Parametric Oscillator. **2016,**
- 269 Application of High-Frequency Gravitational Waves to the Cataclysmic Event of Our First Encounter with Intelligent Extraterrestrial Beings. **2016,** 04, 110-129 1
- 268 A 10-GHz Optical Frequency Comb from a SCOWA-Based Laser With an Intra-Cavity 10,000 Finesse Etalon. **2016,**
- 267 Cleaning procedure for improved photothermal background of toroidal optical microresonators. **2016,**
- 266 1.5 μ m Lasers with sub 10 mHz Linewidth. **2017,** 2
- 265 Appendix. **2017,** 85-113
- 264 Frequency Stabilization of Semiconductor Lasers. **2017,** 167-204
- 263 Self-reliance and independently developed high-finesse spherical ultrastable optical reference cavity. **2017,** 66, 080601 2
- 262 Ultrahigh resolution fiber optic strain sensing system for crustal deformation observation. **2017,** 66, 074208 0
- 261 Introduction. **2017,** 1-8
- 260 A CW laser stabilized to a low expansion ceramic cavity with a 7 mHz/s frequency drift. **2017,**
- 259 Fabry-Pérot cavity locking with phase-locked frequency-synthesized light. **2017,** 34, 533 1
- 258 Generation of five phase-locked harmonics in the continuous wave regime and its potential application to arbitrary optical waveform synthesis. **2017,**
- 257 Optical frequency synthesizer for precision spectroscopy of Rydberg states of Rb atoms. **2017,** 56, 112401 1

- 256 Stability requirements for two-beam interference lithography diffraction grating manufacturing. **2017**, 0
- 255 Phonons and Photons. **2018**, 35-81
- 254 Infrared Spectroscopy of Ions of Astrophysical Interest. **2018**, 195-216
- 253 Precision spectroscopy on the 2 3S-2 3P transition of atomic helium. **2018**, 67, 164203 1
- 252 A Tunable Low-pass Filter for Femtosecond Lasers Based on a Passive Cavity. **2018**,
- 251 $^{40}\text{Ca}^+$ optical frequency standards with high accuracy. **2018**, 67, 164202 3
- 250 Progresses of ultrastable optical-cavity-based microwave source. **2018**, 67, 160602 0
- 249 Quantum Noise Limited Trace Gas Cavity Enhanced Polarization Spectroscopy. **2018**,
- 248 Generation and quantum state reconstruction of a squeezed vacuum light field resonant on the rubidium D1 line. **2018**, 67, 094204 1
- 247 A 698 nm Hertz-Linewidth ultrastable diode laser. **2018**,
- 246 Ultra-narrow-linewidth Brillouin/erbium fiber laser. **2018**,
- 245 Vibration-tolerant narrow-linewidth semiconductor disk laser using novel frequency-stabilisation schemes. **2018**,
- 244 Frequency comb generation in a continuously pumped optical parametric oscillator. **2018**,
- 243 Compact silicon photonics-based multi laser module for sensing. **2018**,
- 242 Mask-aligner Talbot lithography using a 193 nm CW light source. **2018**, 1
- 241 MSTAR: an absolute metrology sensor with sub-micron accuracy for space-based applications. **2018**, 0
- 240 Stable electro-optic frequency comb generation using an ultrahigh finesse etalon filtered optoelectronic oscillator. **2018**,
- 239 Frequency locking of multiple lasers to an optical cavity. **2018**, 35, 2394 2

238	Pushing cavities to the edge for future gravitational wave detectors. 2018,	
237	Near-Unstable Cavities for Future Gravitational Wave Detectors. 2019, 191-211	
236	Frequency Noise Reduction in a Quantum Cascade Laser Using a Short Free-Space Delay Line. 2019,	
235	Ultrastable laser based on multi-cavity. 2019,	1
234	Laser System for the LISA Mission. 2019,	
233	Real-time interrogation of multiplexed FBG strain sensors based on a thermally tunable microring resonator array. 2019,	1
232	Chip-based squeezing at a telecom wavelength. 2019,	
231	Experimental Setup. 2019, 21-41	
230	Evolutionary Algorithm Assisted Design of an Elliptical Focusing Build-up Cavity Avoiding the Degradation Problem in BBO. 2019,	
229	Achieving sub-femtometer displacement sensitivity in integrated ultrahigh-Q crystalline microcavities via Pound-Drever-Hall. 2019,	
228	Plug-and-Play squeezing experiment on chip at telecom wavelength. 2019,	
227	Direct Frequency Locking of a Diode Laser to a Meter-Long High-Finesse Fiber Fabry-Perot Cavity. 2019,	1
226	Ultra-Stable Integrated Lasers and Low-Cost, Low-Energy Coherent Data Center Interconnect. 2019	0
225	Miniature interrogator for multiplexed FBG strain sensors based on a thermally tunable microring resonator array. 2019, 27, 6037-6046	9
224	Laser frequency locking system using orthogonally demodulated Pound-Drever-Hall method. 2019	
223	Dual comb generation in a monochromatically driven crystalline microresonator. 2019,	
222	Optical readout of acoustic responses of an external-cavity diode laser. 2019,	
221	Direct excitation of a single quantum dot with cavity-SPDC photons. 2019, 27, 16308-16319	2

- 220 Simple phase noise measurement scheme for cavity-stabilized laser systems. **2019**, 44, 2709 3
- 219 Temperature control of a PM ring fiber cavity for long-term laser frequency stabilization. **2019**,
- 218 Contribution of Different Noise Sources to the Relative Instability of Laser Systems Stabilized by External Silicon Cavities. **2019**,
- 217 The challenges of measuring methane from space with a lidar. **2019**, 1
- 216 Photothermal tuning and stabilization of a photonic crystal nanofiber cavity. **2019**, 44, 3996-3999 1
- 215 Multi-axis heterodyne interferometry at MHz frequencies: a short-arm measurement demonstration for LISA with off-the-shelf hardware. **2019**, 58, 6346-6356 0
- 214 Large optical depth frequency modulation spectroscopy. **2019**, 27, 32323-32336 1
- 213 High-power, frequency-doubled Nd:GdVO laser for use in lithium cold atom experiments. **2019**, 27, 33144-33158
- 212 Long-term stable continuous variable entanglement generation in type-II non-degenerate optical parametric amplifier. **2019**, 27, 35120-35128 1
- 211 Development of fiber-based yellow laser for dermatological applications. **2019**,
- 210 Modal instability suppression in a high-average-power and high-finesse Fabry-Perot cavity. **2020**, 59, 116-121 3
- 209 The optical frequency standard based on strontium cold atoms. **2020**, 22-27
- 208 Linewidth-related residual intensity modulation in lithium niobate phase modulators. **2020**, 59, 4739-4743 1
- 207 Analysis of a highly efficient phase-locking stabilization method for electro-optic comb generation. **2020**, 59, 4839-4848 0
- 206 Generation of squeezed states of light in arbitrary complex amplitude transverse distribution. **2020**, 8, 1422 5
- 205 Frequency-based dispersion Lamb-dip spectroscopy in a high finesse optical cavity. **2021**, 29, 39449-39460 0
- 204 Efficient conversion of closed-channel-dominated Feshbach molecules of Na²³K⁴⁰ to their absolute ground state. **2021**, 104, 2
- 203 Compact portable laser system for transportable communication band ultra-narrow linewidth laser. **2021**,

202 Study of phase-sensitive heterodyne locking. **2021,**

201 Photonic Integrated Circuits for Precision Spectroscopy. **2020,**

3

200 Continuous and long-term stabilization of degenerate optical parametric oscillators for large-scale optical hybrid computers. **2020,** 28, 38553-38566

1

199 Realizing high efficiency 532 nm laser by optimizing the mode- and impedance-matching. **2021,** 18, 015001

1

198 Integrating design of a compact optical system for ultra-stable laser system. **2020,**

197 Prior-damage dynamics in a high-finesse optical enhancement cavity. **2020,** 59, 10995-11002

196 Research progress of 698nm narrow-linewidth lasers for Sr atom optical clocks at NTSC. **2020,**

195 Quantum Radiation Pressure Noise Reduction and Evasion. **2020,** 111-129

194 Sensing with Light. **2020,** 1-59

193 Compact silicon photonics-based laser modules for FM-CW LIDAR and RFOG. **2020,**

192 Using Polarization to Measure Absorption in Cavity Enhanced Spectroscopy. **2021,**

191 457-nm radiation source based on a diode laser for precision spectroscopy of magnesium atoms. **2020,** 50, 272-276

190 Der Laser als spektroskopische Lichtquelle. **2007,** 149-250

189 Role of modulation bandwidth in narrow spectral linewidth semiconductor lasers under optical negative feedback. **2020,** 59, 102001

1

188 New method for residual amplitude modulation control in RFOG. **2021,**

187 Linewidth reduction of a semiconductor laser module to 6 Hz by locking to a fiber Mach-Zehnder interferometer. **2021,**

186 Noise factor and reception bandwidth in optoacoustical GW antenna. **2021,** 2081, 012024

185 Mid-infrared cavity-enhanced absorption sensor for ppb-level N₂O detection using an injection-current-modulated quantum cascade laser. **2021,** 29, 41634

1

- 184 Technique for active stabilization of the relative phase between seed and pump in an optical parametric oscillator. **2021**, 104,
- 183 Temperature Compensation in Quantum Frequency Standards Based on Coherent Population Trapping. **2021**, 64, 440
- 182 Light shifts in the rubidium CPT atomic clock with laser current modulation at 3.4 and 6.8 GHz. **2021**, 2067, 012006
- 181 725 nm watt-level injection-locked continuous-wave Ti:sapphire laser for a mercury optical lattice clock.. **2021**, 60, 10750-10755 0
- 180 Narrow-Linewidth Laser Linewidth Measurement Technology. **2021**, 9, 3
- 179 Terrestrial Laser Interferometers. **2021**, 1-47
- 178 . **2021**, 1-1 3
- 177 Modeling and optimization of an unbalanced delay interferometer based OPLL system.. **2022**, 30, 1994-2005 2
- 176 Research Progress of an Ultra-Stable Laser System Stabilized to a 30-cm-Long Cavity at NTSC. **2020**,
- 175 Low loss, low power, silicon nitride PZT stress-optic microresonator modulator for control functions. **2021**, 0
- 174 Ultra-compact and ultra high Q photonic chip based optical reference cavity at 1550nm. **2021**,
- 173 Ultra-Narrow Linewidth Frequency Stabilized Photonic Integrated Lasers. **2021**,
- 172 Compact High-Finesse ULE Cavities for Laser Frequency Stabilization. **2021**, 48, 295-300 0
- 171 High-Stability Cryogenic System for Quantum Computing With Compact Packaged Ion Traps. **2022**, 3, 1-11 2
- 170 An optical pascal in Sweden. 1
- 169 Development of the laser isotope separation method to study for the neutrino-less double beta decay of ^{48}Ca . **2022**, 2147, 012012 0
- 168 Scheme of shot-noise-limited displacement and absolute distance measurement simultaneously using laser and white light interferometry. 1
- 167 Design of the ALPS II optical system. **2022**, 35, 100968 2

166	Preparation of continuously tunable orthogonal squeezed light filed corresponding to cesium D1 line. 2022 , 71, 044203	0
165	Line mixing in the oxygen B band head.. 2022 , 156, 084301	0
164	Detecting Gravitational Waves with Advanced Virgo. 2022 , 10, 28	1
163	High-resolution laser spectrometer for matter wave interferometric inertial sensing with non-destructive monitoring of Bloch oscillations. 2022 , 128, 1	
162	Nanofiber-Induced Losses Inside an Optical Cavity. 2021 , 16,	
161	Preparation of Cold Atomic Ensembles. 2022 , 35-61	
160	Optoplasmonic Whispering Gallery Mode Sensors for Single Molecule Characterization: A Practical Guide. 2022 , 37-96	1
159	Research on uncertainty of optical feedback linear cavity ringdown spectroscopy. 2022 ,	
158	High stability in near-infrared spectroscopy: part 1, adapting clock techniques to optical feedback. 2022 , 128, 1	2
157	Nuclear spin-wave quantum register for a solid-state qubit.. 2022 , 602, 408-413	5
156	Review of the Advanced LIGO Gravitational Wave Observatories Leading to Observing Run Four. 2022 , 10, 36	0
155	Noise Limitations in Multi-Fringe Readout of Laser Interferometers and Resonators. 2022 , 2, 98-113	
154	Characterization of Laser Systems at 1550 nm Wavelength for Future Gravitational Wave Detectors. 2022 , 6, 15	1
153	Frequency down-conversion for efficient, low-noise quantum frequency converters. 2022 ,	
152	A tunable Fabry-Perot cavity stabilized via a mechanically connected shearing interferometer. 2022 ,	0
151	Measurement of sub-fm/Hz ^{1/2} displacement spectral densities in ultrahigh-Q single-crystal microcavities with Hz-level lasers.	1
150	X-Band photonic microwaves with phase noise below -180 dBc/Hz using a free-running monolithic comb.. 2022 , 30, 11266-11274	
149	Passively stabilized single-photon interferometer.	

148	Active optomechanics. 2022 , 5,	1
147	Cavity-Enhanced Frequency Comb Vernier Spectroscopy. 2022 , 9, 222	0
146	Determination of induced birefringence in a fiber-optic resonator from the frequency difference between main and additional resonance peaks. 2022 , 1, 487	1
145	Residual amplitude modulation cancellation in passive resonant fiber optic gyroscope. 2022 ,	
144	Enhanced frequency noise suppression for LISA by combining cavity and arm locking control systems. 2022 , 105,	0
143	Lifetime Measurement of Cesium Atoms Using a Cold Rydberg Gas. 2022 , 12, 2713	0
142	Challenges in passive resonant miniature optical gyroscope based on integrated optics technologies. 2022 ,	0
141	High-power, low-noise Brillouin laser on a silicon chip.. 2022 , 47, 1638-1641	1
140	Comparison of field shifts in an atomic clock based on the effect of coherent population trapping in ⁸⁷ Rb atoms under modulation of laser pump current at frequencies of 3.4 and 6.8 GHz. 2022 , 52, 386-390	
139	Frequency-stabilized Faraday laser with 10 ⁻¹⁴ short-term instability for atomic clocks. 2022 , 120, 141102	1
138	ac polarizability and photoionization-cross-section measurements in an optical lattice. 2021 , 104,	0
137	Whispering-gallery-mode sensors for biological and physical sensing. 2021 , 1,	12
136	Breakthrough instruments and products: Laser light tunable across the visible up to mid-infrared: Novel turnkey cw OPO with efficiency-optimized design.. 2021 , 92, 129502	0
135	Resonantly enhanced polariton wave mixing and parametric instability in a Floquet medium.. 2022 , 156, 174110	1
134	Injection-seeded 10 kHz repetition rate Er:YAG solid-state laser with single-frequency pulse energy more than 1 mJ.	2
133	Thermal and driven noise in Brillouin lasers. 2022 , 105,	1
132	Ultra-low loss silicon nitride ring modulator with low power PZT actuation for photonic control. 2022 ,	2
131	Circuit-level convergence of electronics and photonics: basic concepts and recent advances. 2022 , 15,	0

130	Suppressing backscattering noise of a resonant fiberoptic gyroscope using coherent detection.	
129	Quantum Key Distribution over 658 km Fiber with Distributed Vibration Sensing.. 2022 , 128, 180502	4
128	A Hybrid Self-Seeded Ti:sapphire Laser with a Pumping Scheme Based on Spectral Beam Combination of Continuous Wave Diode and Pulsed DPSS Lasers. 2022 , 12, 4727	1
127	Modulation-free portable laser frequency and power stabilization system. 2022 , 93, 053001	1
126	Frequency noise stabilisation of a 1550 nm external cavity diode laser with hybrid feedback for next generation gravitational wave interferometry.	
125	Inhomogeneous spatial distribution of residual amplitude modulation in optical phase modulation using a bulk electro-optic crystal. 2022 , 30, 17936	0
124	Experimental Side-Channel-Secure Quantum Key Distribution. 2022 , 128,	1
123	Cooling of an Integrated Brillouin Laser below the Thermal Limit.	
122	Status and future development of Heating and Current Drive for the EU DEMO. 2022 , 180, 113159	7
121	Absolute Frequency Readout of Cavity against Atomic Reference. 2022 , 14, 2689	1
120	Femtosecond laser-induced periodic structures: mechanisms, techniques, and applications. 2022 , 1, 220005-220005	
119	Uncertainty of optical feedback linear cavity ringdown spectroscopy. 2022 , 71, 124201	0
118	Original Technique for Residual Amplitude Modulation Reduction in RFOG. 2022 ,	
117	Stabilized laser system at 1550 nm wavelength for future gravitational-wave detectors. 2022 , 105,	0
116	Accuracy Improvement of a Miniature Laser Diode Interferometer by Compensating Nonlinear Errors and Active Stabilizing Laser Diode Wavelengths. 2022 , 12, 6064	
115	36 Hz integral linewidth laser based on a photonic integrated 4.0-meter coil resonator.	4
114	Terrestrial Laser Interferometers. 2022 , 37-83	
113	Using Methods for Processing the Resonant Peak to Increase the Sensitivity of the Angular Rate Sensor. 2022 ,	0

- 112 Wideband current modulation of diode lasers for frequency stabilization. **2022**, 93, 063002
- 111 Frequency Conversion Interface towards Quantum Network: From Atomic Transition Line to Fiber Optical Communication Band. **2022**, 12, 6522
- 110 Performance Improvement of Single-Frequency CW Laser Using a Temperature Controller Based on Machine Learning. **2022**, 13, 1047 ○
- 109 Performance of the KAGRA detector during the first joint observation with GEO 600 (O3GK). ○
- 108 Resonant fiber-optic thermometry with high resolution and wide range. **2022**, 30, 26082
- 107 High stability multiple-frequency cavity locking based on Doppler-free optogalvanic Calcium ion spectroscopy. **2022**, 30, 28170
- 106 Frequency stabilization of multiple wavelength lasers based on a broadband spectrum. **2022**, 19, 095701
- 105 Semiconductor technology for quantum photonics. **2022**,
- 104 Doubly resonant sub-ppt photoacoustic gas detection with eight decades dynamic range. **2022**, 27, 100387 8
- 103 Residual amplitude modulation at the 10^{-7} level for ultra-stable lasers.
- 102 Electro-optic frequency combs for the rapid interrogation of cavity optomechanical sensors. **2022**,
- 101 Nuclear spin quantum memory in silicon carbide. **2022**, 4,
- 100 Improving the Measurement Range of FFPI Strain Sensing Using Second-order Control PDH Technology.
- 99 High bandwidth frequency modulation of an external cavity diode laser using an intracavity lithium niobate electro-optic modulator as output coupler.
- 98 Mirror coating-thermal-noise mitigation using multi-spatial-mode cavity readout. **2022**, 106,
- 97 V-cavity stabilized quantum cascade laser-based cavity ringdown spectroscopy for rapid detection of radiocarbon below natural abundance. **2022**, 132, 083102 ○
- 96 Continuous-wave optical enhancement cavity with 30 kW average power.
- 95 Measurement of the $H3\pi$ radiative lifetime in ThO. **2022**, 106,

94	Ultra-low Noise Semiconductor Lasers. 2022,	0
93	Stable Turnkey Laser System for a Yb/Ba Trapped-Ion Quantum Computer. 2022, 3, 1-8	1
92	Sensing with Light. 2022, 1-61	0
91	A low-power PZT stress-optic Si ₃ N ₄ micro-ring modulator for PDH locking applications. 2022,	0
90	Integrated Brillouin lasers and their applications. 2022, 107-180	0
89	Light-Shining-Through-Walls Experiments. 2023, 255-279	0
88	The scientific career and contributions of Prof. Wang Yiqiu. 10,	0
87	Squeezed States of Light for Future Gravitational Wave Detectors at a Wavelength of 1550 nm. 2022, 129,	0
86	Limitations of the frequency stability transfer in the near infrared using a fiber-based ring cavity.	0
85	Practical Limits for Large-Momentum-Transfer Clock Atom Interferometers. 2022, 3,	0
84	Recent Advancements in Resonant Fiber Optic Gyro Review. 2022, 22, 18240-18252	6
83	Design of the optical system for the gamma factory proof of principle experiment at the CERN Super Proton Synchrotron. 2022, 25,	0
82	Timekeeping algorithm based on the cooperative covariance matrix of clock differences. 2023, 27,	0
81	Room-Temperature Optical Detection of ¹⁴ CO ₂ below the Natural Abundance with Two-Color Cavity Ring-Down Spectroscopy.	1
80	Low frequency-to-intensity noise conversion in a pulsed laser cavity locking by exploiting carrier envelope offset. 2022, 128,	0
79	Spectroscopic Gas Sensor Based on a Fiber Fabry-Perot Cavity. 2022, 18,	1
78	Optical Frequency Combs in Dispersion-controlled Doubly Resonant Second-Harmonic Generation.	0
77	Toward a New Generation of Compact Transportable Yb ⁺ Optical Clocks. 2022, 14, 2213	0

- 76 Photothermal effect in macroscopic optomechanical systems with an intracavity nonlinear optical crystal. **2022**, 30, 42579 ○
- 75 The variation effect of damping rate of cavity (left and right) side modes on the noise fluxes of a free-running class-A laser. **2022**, 271, 170157 ○
- 74 Frequency Stabilization of a Cesium Faraday Laser With a Double-Layer Vapor Cell as Frequency Reference. **2022**, 1-6 ○
- 73 Harmonically mode-locked laser pulse accumulation in a self-resonating optical cavity. **2022**, 30, 43888 ○
- 72 Miniaturizing Ultrastable Electromagnetic Oscillators: Sub- 10^{-14} Frequency Instability from a Centimeter-Scale Fabry-Perot Cavity. **2022**, 18, 2
- 71 Squeezing level strengthened by a temperature dependent dispersion compensation methodology. **2023**, 530, 129192 ○
- 70 Arm locking in conjunction with time-delay interferometry. **2022**, 106, ○
- 69 Transportable 30 cm optical cavity based ultrastable lasers with beating instability of 2×10^{-16} s/s. **2022**, 128, ○
- 68 VECSEL systems for quantum information processing with trapped beryllium ions. ○
- 67 Active Cancellation of Servo-Induced Noise on Stabilized Lasers via Feedforward. **2022**, 18, ○
- 66 Doppler-free high-resolution continuous-wave optical UV spectroscopy on the $A_{2\frac{1}{2}} \leftarrow X_{2\frac{1}{2}}\right)$. **2022**, 106, ○
- 65 Modulation depth and bandwidth analysis of planar thermo-optic diamond actuators. **2023**, 31, 153 ○
- 64 Analog stabilization of an electro-optic I/Q modulator with an auxiliary modulation tone. **2023**, 62, 1 ○
- 63 Low-noise and high-power second harmonic generation of 532 nm laser for trapping ultracold atoms. **2022**, 93, 123002 ○
- 62 Simulations for the Locking and Alignment Strategy of the DRMI Configuration of the Advanced Virgo Plus Detector. **2022**, 10, 115 ○
- 61 Transmission estimation at the quantum Cramér-Rao bound with macroscopic quantum light. **2022**, 9, ○
- 60 Design of a transportable miniaturized optical reference cavity with flexibly tunable thermal expansion properties. 10, ○
- 59 Study on electro-optic noise in crystalline coatings toward future gravitational wave detectors. **2023**, 107, ○

- 58 Cavity locking with spatial modulation of optical phase front for laser stabilization. **2023**, 129, ○
- 57 Pound-Drever-Hall locking scheme free from Trojan operating points. **2023**, 94, 013001 ○
- 56 Direct observation of the thermal noise spectrum of a silicon flexure membrane. **2023**, 122, 022202 ○
- 55 Effective Linewidth compression of a single-longitudinal-mode fiber laser with randomly distributed high scattering centers in the fiber induced by femtosecond laser pulses. ○
- 54 All-fiber acetylene-referenced optical frequency comb. **2023**, 531, 129233 ○
- 53 Stable 10 GHz microwave synthesis via partial optical frequency division. **2022**, ○
- 52 Temperature-compensated optical cavities for laser frequency stabilization. **2023**, 20, 030001 ○
- 51 Force sensing with an optomechanical system at room temperature. **2023**, 107, ○
- 50 Trace-moisture measurement using cavity ring-down spectroscopy at NMIJ. **2023**, 2439, 012001 ○
- 49 First-step experiment for sensitivity improvement of DECIGO: Sensitivity optimization for simulated quantum noise by completing the square. **2023**, 107, ○
- 48 Line-shape parameters and line mixing for the low-intensity high-J oxygen transitions. **2023**, 2439, 012018 ○
- 47 Laser Principles. **2023**, 1069-1080 ○
- 46 Scale Factor Determination for the GRACE Follow-On Laser Ranging Interferometer Including Thermal Coupling. **2023**, 15, 570 ○
- 45 Multiple Gases Detection Based on Periodical Mode-Locked Cavity-Enhanced Absorption Spectroscopy Using a Single-mode Diode Laser. **2023**, 1-1 ○
- 44 Measurements of Thermal Relaxation of the OGRAN Underground Setup. **2022**, 85, 1557-1565 ○
- 43 Quantum Pascal Realization from Refractometry. **2023**, 1-38 ○
- 42 All-fiber-device-coupled compact, transportable ultra-stable laser. **2023**, 94, 033002 ○
- 41 Simultaneous ground-state cooling of two mechanical modes of a levitated nanoparticle. ○

- 40 Observation of an Inner-Shell Orbital Clock Transition in Neutral Ytterbium Atoms. **2023**, 130, ○
- 39 The Application of Pound-Drever-Hall Technology in High-Resolution Sensing: A Review. **2023**, 23, 6427-6438 ○
- 38 Development of a 671 nm injection-locked CW Ti:sapphire laser. **2023**, 2, 441 ○
- 37 A GPS-Referenced Wavelength Standard for High-Precision Displacement Interferometry at $\lambda = 633$ nm. **2023**, 23, 1734 ○
- 36 Transient fluorescence with a single trapped ion. **2023**, 40, C48 ○
- 35 1SBS cw spectroscopy of hydrogen/deuterium atom. **2023**, 77, ○
- 34 Offset Lock with 440 GHz Range using Electro-Optic Modulation. ○
- 33 Photonic comb-rooted synthesis of ultra-stable terahertz frequencies. **2023**, 14, ○
- 32 High-precision cavity-enhanced spectroscopy for studying the H₂-Ar collisions and interactions. **2023**, 158, 094303 ○
- 31 Frequency-Doubled Diode Lasers. **1992**, ○
- 30 Two-Photon Interface of Nuclear Spins Based on the Optonuclear Quadrupolar Effect. **2023**, 13, ○
- 29 High power single-frequency operation of continuous wave diode-pumped Nd:YAG ring lasers. **1994**, ○
- 28 Ultra Stable Solid-State Lasers. **1998**, ○
- 27 An All Solid-State 4.4-W Single-Frequency 532-nm Laser. **1994**, ○
- 26 Seventy Percent Conversion Efficiency for Frequency-Doubling of a Diode-Pumped Continuous-Wave Single-Frequency Nd:YAG Laser. **1992**, ○
- 25 The Advanced Virgo+ status. **2023**, 2429, 012039 ○
- 24 Pulsed Frequency Stable Narrow Linewidth Lasers and Optical Remote Sensing. **1987**, ○
- 23 Stable 428 nm Second-Harmonic Output Using Frequency Locking of a GaAlAs Diode laser to a KNbO₃ Nonlinear Resonator. **1989**, ○

- 22 Hole-Burning of Rare Earth Ions with kHz Resolution. **1994**, ○
- 21 An all-solid-state continuous-wave 266nm laser for optical disk mastering. **1998**, ○
- 20 Antiresonant Fabry-Pérot cavity with ultralow finesse. **2023**, 107, ○
- 19 A self-locking Rydberg atom electric field sensor. **2023**, 122, 094001 ○
- 18 Design of seed laser injection locking system for 2nd solid-state laser based on FPGA. **2023**, ○
- 17 Effect of spatial walk-off on squeezing properties of quantum optical frequency combs. **2023**, 72, 084206 ○
- 16 Self-injection locking narrow linewidth laser based on Si3N4 microring resonator. **2023**, ○
- 15 Recent advances in laser self-injection locking to high-Q microresonators. **2023**, 18, 1
- 14 1.8 W, high efficiency, pump-enhanced, narrow linewidth optical parametric oscillator at 3.8 μm. **2023**, 31, 11156 ○
- 13 Evaluation of a coherent 2-μm differential absorption lidar for water vapor and radial wind velocity measurements. **2023**, 31, 13817 ○
- 12 Open-source electronics ecosystem for optical atomic clocks. **2023**, 34, 075022 ○
- 11 Deterministic Quantum Phase Estimation beyond N00N States. **2023**, 130, ○
- 10 Frequency Measurement for Laser Stabilization Based on the Beat-sampling Method. **2022**, ○
- 9 ??????????????????????. **2023**, 60, 0312006 ○
- 8 Overview on Inverse Compton X-ray Sources. **2023**, 117-147 ○
- 7 The CLS Laser Upgrade. **2023**, 149-175 ○
- 6 Enhancement Cavities. **2023**, 69-92 ○
- 5 On-chip multivariant COVID 19 photonic sensor based on silicon nitride double-microring resonators. **2023**, ○

- 4 Sensitivity of quantum gate fidelity to laser phase and intensity noise. **2023**, 107,
- 3 Ferrimagnetic Oscillator Magnetometer. **2023**, 19,
- 2 Control scheme for polarization circulation speed meter using a dual-retardation waveplate. **2023**, 107,
- 1 Probing Complex-Energy Topology via Non-Hermitian Absorption Spectroscopy in a Trapped Ion Simulator. **2023**, 130,